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Air Force Test and Evaluation Center Regulation 400-1 (Draft)

LOGISTICS ASSESSMENT

Volume II

APPENDIXES

30 July 1976

Prepared for

U.S. AIR FORCE TEST AND EVALUATION CENTER
Kirtland Air Force Base
New Mexico 87115

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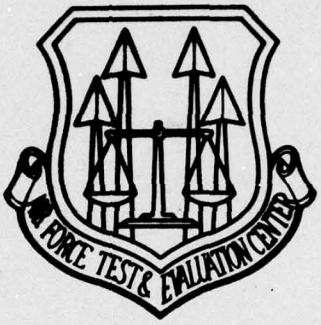
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FOREWORD

This regulation is divided into two volumes: a basic guidance document on logistics assessment (Volume I) and supporting appendixes (Volume II). The appendixes are numbered in a manner that keys them to the chapter and section of the text to which they apply. For example, appendix 4-2A is applicable to chapter 4, section 2; with the "A" in the appendix number denoting that the appendix is the first one referenced in that section.



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TYPICAL MAINTENANCE DATA COLLECTION SYSTEM CODES

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1. Action Taken Codes

CODE DESCRIPTION

A.....BENCH CHECKED AND REPAIRED

BENCH CHECK AND REPAIR OF ANY ONE ITEM IS ACCOMPLISHED AT THE SAME TIME. (ALSO SEE CODE F.)

B.....BENCH CHECKED - SERVICEABLE (NO REPAIR REQUIRED)

ITEM IS BENCH CHECKED AND NO REPAIR IS REQUIRED.

C.....BENCH CHECKED - REPAIR DEFERRED

BENCH CHECK IS ACCOMPLISHED AND REPAIR ACTION IS DEFERRED. (SEE CODE F.)

D.....BENCH CHECKED - TRANSFERRED TO ANOTHER BASE OR UNIT

ITEM IS BENCH CHECKED AT A FORWARD OPERATING BASE, DISPERSED OPERATING BASE OR ENROUTE BASE AND IS FOUND UNSERVICEABLE AND TRANSFERRED TO A MAIN OPERATING BASE OR HOME BASE FOR REPAIR. THIS CODE WILL NOT BE USED FOR ITEMS RETURNED TO A DEPOT FOR OVERHAUL. THIS CODE WILL ALSO BE USED WHEN PME OR OTHER EQUIPMENT IS SENT TO ANOTHER BASE OR UNIT FOR BENCH CHECK, CALIBRATION, OR REPAIR AND IS TO BE RETURNED, AND FOR ITEMS FORWARDED TO CONTRACTORS ON BASE LEVEL CONTRACTS.

1.....BENCH CHECKED - NRTS (NOT REPAIRABLE THIS STATION) - REPAIR NOT AUTHORIZED

SHOP IS NOT AUTHORIZED TO ACCOMPLISH THE REPAIR. THIS CODE SHALL ONLY BE USED WHEN THE REPAIR REQUIRED TO RETURN AN ITEM TO SERVICEABLE STATUS IS SPECIFICALLY

CODE DESCRIPTION (CONT)

1.....BENCH CHECKED - NRTS (NOT REPAIRABLE THIS STATION) - (CONT)

PROHIBITED BY CURRENT TECHNICAL DIRECTIVES. THIS CODE SHALL NOT BE USED DUE TO LACK OF AUTHORITY FOR EQUIPMENT, TOOLS, FACILITIES, SKILLS, PARTS OR TECHNICAL DATA.

2.....BENCH CHECKED - NRTS - LACK OF EQUIPMENT, TOOLS, OR FACILITIES

REPAIR IS AUTHORIZED BUT CANNOT BE ACCOMPLISHED DUE TO LACK OF EQUIPMENT, TOOLS, OR FACILITIES. THIS CODE SHALL BE USED WITHOUT REGARD AS TO WHETHER THE EQUIPMENT, TOOLS, OR FACILITIES ARE AUTHORIZED OR UNAUTHORIZED.

3.....BENCH CHECKED - NRTS - LACK OF TECHNICAL SKILLS

REPAIR CANNOT BE ACCOMPLISHED DUE TO LACK OF TECHNICALLY QUALIFIED PEOPLE.

4.....BENCH CHECKED - NRTS - LACK OF PARTS

PARTS ARE NOT AVAILABLE TO ACCOMPLISH REPAIR.

5.....BENCH CHECKED - NRTS - SHOP BACKLOG

REPAIR CANNOT BE ACCOMPLISHED DUE TO EXCESSIVE SHOP BACKLOG.

6.....BENCH CHECKED - NRTS - LACK OF TECHNICAL DATA

REPAIR CANNOT BE ACCOMPLISHED DUE TO LACK OF MAINTENANCE MANUALS, DRAWINGS, ETC., WHICH DESCRIBE DETAILED REPAIR PROCEDURES AND AND REQUIREMENTS.

1. (Continued)

CODE DESCRIPTION (CONT)

7.....BENCH CHECKED - NRTS - EXCESS TO BASE REQUIREMENTS

REPAIR WILL NOT BE SCHEDULED FOR SHOP REPAIR DUE TO ITEM BEING EXCESS TO BASE REQUIREMENTS.

8.....BENCH CHECKED - RETURN TO DEPOT

RETURNED TO DEPOTS BY DIRECTION OF SYSTEM MANAGER (SM) OR ITEM MANAGER (IM). USE ONLY WHEN ITEMS THAT ARE AUTHORIZED FOR BASE LEVEL REPAIR ARE DIRECTED TO BE RETURNED TO DEPOT FACILITIES BY SPECIFIC WRITTEN OR VERBAL COMMUNICATION FROM THE IM OR SM, OR WHEN ITEMS ARE TO BE RETURNED TO DEPOT FACILITIES FOR MODIFICATION IN ACCORDANCE WITH A TIME COMPLIANCE TECHNICAL ORDER (TCTO), OR AS UR EXHIBITS.

9.....BENCH CHECKED - CONDEMNED

ITEM CANNOT BE REPAIRED AND IS TO BE PROCESSED FOR CONDEMNATION, RECLAMATION OR SALVAGE. THIS CODE WILL ALSO BE USED WHEN A 'CONDEMNED' CONDITION IS DISCOVERED DURING FIELD MAINTENANCE DISASSEMBLY OR REPAIR.

E.....INITIAL INSTALLATION

FOR INSTALLATION ACTIONS THAT ARE NOT RELATED TO A PREVIOUS REMOVAL ACTION SUCH AS INSTALLATION OF ADDITIONAL EQUIPMENT OR INSTALLATION OF AN ITEM TO REMEDY A SHIP-SHORT CONDITION. THIS CODE WILL BE USED ONLY FOR EQUIPMENT MANAGED UNDER THE ADVANCED CONFIGURATION MANAGEMENT SYSTEM. REFERENCE T.O.'S 00-20-2-2,

CODE DESCRIPTION (CONT)

E.....INITIAL INSTALLATION (CONT)

00-20-2-5, AND 00-20-2-7. MUST BE USED WITH HOW MAL CODE 799.

F.....REPAIR

NOT TO BE USED TO CODE 'ON-EQUIPMENT' WORK IF ANOTHER CODE WILL APPLY. WHEN IT IS USED IN A SHOP ENVIRONMENT, THIS CODE WILL DENOTE REPAIR AS A SEPARATE UNIT OF WORK AFTER A BENCH CHECK. SHOP REPAIR INCLUDES THE TOTAL REPAIR MANHOURS AND INCLUDES CLEANING, DISASSEMBLY, INSPECTION, ADJUSTMENT, REASSEMBLY AND LUBRICATION OF MINOR COMPONENTS INCIDENT TO THE REPAIR WHEN THESE SERVICES ARE PERFORMED BY THE SAME WORK CENTER. FOR PRECISION MEASUREMENTS EQUIPMENT, THIS CODE WILL BE USED ONLY WHEN CALIBRATION OF THE REPAIRED ITEM IS REQUIRED. (SEE CODE G)

G.....REPAIRS AND/OR REPLACEMENT OF MINOR PARTS, HARDWARE AND SOFTGOODS (SEALS, GASKETS, ELECTRICAL CONNECTORS, FITTINGS, TUBING, HOSE, WIRING, FASTENERS, VIBRATION ISOLATORS, BRACKETS, ETC.)

WORK UNIT CODES DO NOT COVER MOST NON-REPAIRABLE ITEMS. THEREFORE, WHEN ITEMS SUCH AS THOSE IDENTIFIED ABOVE ARE REPAIRED OR REPLACED, THIS ACTION TAKEN CODE WILL BE USED. WHEN THIS ACTION TAKEN CODE IS USED, THE WORK UNIT CODE WILL IDENTIFY THE ASSEMBLY BEING SERVICED OR MOST DIRECTLY RELATED TO PARTS BEING REPAIRED OR REPLACED. FOR EXAMPLE, IF AN ELECTRICAL CONNECTOR WAS REPAIRED AND WAS ATTACHED TO A RADIO

1. (Continued)

CODE DESCRIPTION (CONT)

G.....REPAIRS AND/OR REPLACEMENT OF MINOR PARTS, HARDWARE AND (CONT

TRANSMITTER, THE WORK UNIT CODE FOR THE TRANSMITTER WOULD BE USED WITH THIS ACTION TAKEN CODE. FOR PRECISION MEASUREMENT EQUIPMENT THIS CODE WILL BE USED FOR REPAIRS THAT DO NOT REQUIRE CALIBRATION OF THE REPAIRED ITEM. (SEE CODE F)

H.....EQUIPMENT CHECKED - NO REPAIR REQUIRED (FOR 'ON-EQUIPMENT' WORK ONLY)

ALL DISCREPANCIES WHICH ARE CHECKED AND FOUND TO REQUIRE NO FURTHER MAINTENANCE ACTION. THIS CODE WILL BE USED ONLY IF IT IS DEFINITELY DETERMINED THAT A REPORTED DEFICIENCY DOES NOT EXIST OR CANNOT BE DUPLICATED. MUST BE USED WITH HOW MAL CODE 799 OR 812.

J.....CALIBRATED - NO ADJUSTMENT REQUIRED

USE THIS CODE WHEN AN ITEM IS CALIBRATED AND FOUND SERVICEABLE WITHOUT NEED FOR ADJUSTMENT, OR IS FOUND TO BE IN TOLERANCE BUT IS ADJUSTED MERELY TO PEAK OR MAXIMIZE THE READING. IF THE ITEM REQUIRES ADJUSTMENT TO ACTUALLY MEET CALIBRATION STANDARDS OR TO BRING IN TOLERANCE, USE CODE K.

K.....CALIBRATED - ADJUSTMENT REQUIRED

ITEM MUST BE ADJUSTED TO BRING IT IN TOLERANCE OR MEET CALIBRATION STANDARDS. IF THE ITEM WAS REPAIRED OR NEEDS REPAIR IN ADDITION TO CALIBRATION AND ADJUSTMENT, USE CODE F.

CODE DESCRIPTION (CONT)

L.....ADJUST - INCLUDES TIGHTEN, ADJUST, BLEED, BALANCE, RIG, AND FIT, OR ACTUATING RESET BUTTON OR SWITCH

A PARTICULAR DISCREPANCY IS CLEARED BY ADJUSTING, ETC., THE TIME. IF THE IDENTIFIED COMPONENT ALSO REQUIRES REPLACEMENT BITS AND PIECES AS WELL AS ADJUSTMENT (NEW POINTS, CONDENSERS, TUBES, ETC) ENTER THE APPROPRIATE REPAIR CODE INSTEAD OF L.

M.....DISASSEMBLE

DISASSEMBLY ACTION WHEN THE COMPLETE MAINTENANCE JOB IS BROKEN INTO PARTS AND REPORTED AS SUCH. DO NOT USE FOR ON-EQUIPMENT WORK.

N.....ASSEMBLE

ASSEMBLY ACTION WHEN THE COMPLETE MAINTENANCE JOB IS BROKEN INTO PARTS AND REPORTED AS SUCH. DO NOT USE FOR ON-EQUIPMENT WORK.

P.....REMOVED

ITEM IS REMOVED AND ONLY THE REMOVAL IS TO BE ACCOUNTED FOR. IN THIS INSTANCE, DELAYED OR ADDITIONAL ACTIONS WILL BE ACCOUNTED FOR SEPARATELY. (ALSO SEE CODES Q, R, S, T, AND U) DO NOT USE FOR OFF-EQUIPMENT WORK.

Q.....INSTALLED

ITEM IS INSTALLED AND ONLY THE INSTALLATION ACTION IS TO BE ACCOUNTED FOR. (ALSO SEE CODES P, R, S, T, AND U) DO NOT USE FOR OFF-EQUIPMENT WORK.

1. (Continued)

CODE DESCRIPTION (CONT)

R.....REMOVE AND REPLACE

ITEM IS REMOVED AND ANOTHER LIKE ITEM IS INSTALLED. (ALSO SEE CODES T AND U) DO NOT USE FOR OFF-EQUIPMENT WORK.

S.....REMOVE AND REINSTALL

ITEM IS REMOVED AND THE SAME ITEM REINSTALLED. (ALSO SEE CODES T AND U.) DO NOT USE FOR OFF-EQUIPMENT WORK. MUST BE USED WITH HOW MAL CODE 800, 804 OR 805.

T.....REMOVED FOR CANNIBALIZATION

A COMPONENT IS CANNIBALIZED. THE WORK UNIT CODE WILL IDENTIFY THE COMPONENT BEING CANNIBALIZED. DO NOT USE THIS CODE FOR OFF-EQUIPMENT WORK. MUST BE USED WITH HOW MAL CODE 799.

U.....REPLACED AFTER CANNIBALIZATION

THIS CODE WILL BE ENTERED WHEN A COMPONENT IS REPLACED AFTER CANNIBALIZATION. DO NOT USE THIS CODE FOR OFF-EQUIPMENT WORK. MUST BE USED WITH HOW MAL CODE 799.

V.....CLEAN

CLEANING IS ACCOMPLISHED TO CORRECT DISCREPANCY AND/OR WHEN CLEANING IS NOT ACCOUNTED FOR AS REPAIR ACTION SUCH AS CODE F. INCLUDES WASHING, ACID BATH, BUFFING, SAND BLASTING, DEGREASING, DECONTAMINATION, ETC. CLEANING AND WASHING OF COMPLETE ITEMS SUCH AS GROUND EQUIPMENT, VEHICLES, MISSILES OR AIRPLANES SHOULD BE RECORDED BY UTILIZING SUPPORT GENERAL CODES.

CODE DESCRIPTION (CONT)

X.....TEST - INSPECTION - SERVICE

ITEM IS TESTED OR INSPECTED OR SERVICED (OTHER THAN BENCH CHECK) AND NO REPAIR IS REQUIRED. THIS CODE DOES NOT INCLUDE SERVICING OR INSPECTION CHARGEABLE TO SUPPORT GENERAL WORK UNIT CODES.

Y.....TROUBLESHOOT

TIME EXPENDED IN LOCATING A DISCREPANCY IS GREAT ENOUGH TO WARRANT SEPARATING THE TROUBLESHOOT TIME FROM THE REPAIR TIME. USE OF THIS CODE NECESSITATES COMPLETION OF TWO SEPARATE FORMS, ONE FOR THE TROUBLESHOOT PHASE AND ONE FOR THE REPAIR PHASE. WHEN RECORDING THE TROUBLESHOOT TIME SEPARATE FROM REPAIR TIME, THE TOTAL TIME TAKEN TO ISOLATE THE PRIMARY CAUSE OF THE DISCREPANCY SHOULD BE RECORDED UTILIZING THE WORK UNIT CODE OF THE DEFECTIVE SUB-SYSTEM OR SYSTEM. DO NOT USE FOR OFF-EQUIPMENT WORK.

Z.....CORROSION REPAIR

INCLUDES CLEANING, TREATING, PRIMING AND PAINTING OF CORRODED ITEMS. THIS CODE SHOULD ALWAYS BE USED WHEN ACTUALLY TREATING CORRODED ITEMS, EITHER ON EQUIPMENT OR IN THE SHOP. THE WORK UNIT CODE SHOULD IDENTIFY THE ITEM THAT IS CORRODED. USE SUPPORT GENERAL CODE FOR PAINTING OR OR CORROSION PREVENTIVE TREATMENT PRIOR TO AN ITEM BECOMING CORRODED.

2. When Discovered Codes

1. **Title:** When Discovered Designators (Aircraft, Drones and Air Launched Missiles), ADE WH-165, Chg Eff: 31 Jan 1975 (Continued)
NOTE: Dual descriptions of these codes are listed in some instances for illustrative purposes. The work unit code manuals will list the description that is applicable to the equipment listed in the code manual. These codes are also applicable to drone and air launched missile peculiar AGE.

Data Codes	Data Items and Explanations:
A	Before Flight--Abort
B	Before Flight--No Abort
C	Inflight--Abort. (For aircraft this includes precautionary landings at the home station, intermediate station or final destination as a result of an inflight malfunction)
D	In-Flight--No Abort/During AGE Operation
E	After Flight
F	Between Flights--Ground Crew (when not associated with an inspection)/During Unscheduled Maintenance (AGE)
G	Ground Alert--Not Degraded/AIM 270 Day Checkout/AGM 18 Month Checkout
H	Basic Postflight or Trhu-Flight Inspection (whichever is applicable) AIM 30 Day Checkout/AGM 30 Day Storage Inspection
J	Preflight Inspection
K	Hourly Postflight Inspection/Minor Inspection-Isochronal/AIM 120 Day Checkout/AGM Combined Systems Checkout/AGM 45 Day Checkout
L	During Training or Maintenance on Equipment Utilized in a Training eNvironment (Use only for Class II Training Equipment). This code should be used when recording maintenance or discrepancies on Class II trainers
M	Periodic/Phased/Major Isochronal Inspection (whichever is applicable)/AIM 180 Day Checkout/60 Day GMT Inspection/90 Day Missile-Rocket Trainer Inspection/AGM/TGM 12 Month Checkout
N	Ground Alert--Degraded/AIM 360 Day Checkout/AGM 24 Month Checkout
P	Functional Check Flight
Q	Special Inspection
R	Quality Control Check
S	Depot Level Maintenance
T	During Scheduled Calibration
U	Non-Destructive Inspection. Includes optical, penetrant, magnetic particle, radiographic, eddy current, ultrasonic, spectrometric oil analysis, etc.
V	During Unscheduled Calibration
W	In-Shop Repair and/or Disassembly for Maintenance
X	Engine Test Stand Operation
Y	Upon Receipt or Withdrawal from Supply Stocks
Z	"AGM Under Wing Check". Use of this code for aircraft equipped with MADREC should be limited to discrepancies discovered through analysis of MADREC tape
2	During Operation of Malfunction ANalysis and Recording Equipment or Subsequent Data Analysis
3	Home Station Check-Isochronal
4	Corrosion Control Inspection
5	Aircraft Interior Refurbishment

---

1. **Title:** When Discovered Designators (Conventional and Nuclear Munitions), ADE WH-175, Chg Eff: 1 Feb 1969

Data Codes	Data Items and Explanations:
A	Receiving inspection (General inspection and test)
B	Shipping inspection (General inspection and tests)
C	During operation
D	Reacceptance inspection (General inspection and tests)
E	Storage inspection
F	Unscheduled inspection or maintenance
G	Alert
H	Post load
J	Daily inspection
K	Before load
L	During traing or maintenance on equipment utilized in a training environment (Use only for Class II training equipment)
M	Scheduled inspection/maintenance
N	During load
P	Functional/operational check
Q	Special inspection
R	Quality control check

1. Title: When Discovered Designators (Coventional and Nuclear Munitions), ADE WH-175, Chg Eff: 1 Feb 1969 (Continued)

Data Codes	Data Items and Explanations:
S	Depot level maintenance
T	During scheduled calibration
U	Non-destructive inspection. Includes optical, penetrant, magnetic particle, radiographic, eddy current, ultrasonic, spectrometric oil analysis, etc.
V	During unscheduled calibration
W	In-Shop repair and/or disassembly for maintenance
X	Mating/demating (Warhead/Clip-in, basic assembly/Shape components)
Y	Upon receipt or withdrawal from supply stocks

---

1. Title: When Discovered Designators (Ground CEM, Trainers and AGE), ADE WH-180, Chg Eff: 1 Aug 1972

Data Codes	Data Items and Explanations:
GROUND CEM, TRAINERS AND AGE	
C	During equipment operation/caused equipment down time
D	During equipment operation/did not cause equipment down time
F	Unscheduled maintenance
H	Scheduled inspection CEM phase or periodic (Does not included daily/shift)
J	Daily Inspection/shift verification
L	During training or maintenance on equipment utilized in a training environment (Use only for Class II Training Equipment). This code should be used when recording maintenance or discrepancies on Class II trainers
M	Scheduled Inspection (Not CEM)
P	Operational Systems Check
Q	Special inspection
R	Quality control check
S	Depot level maintenance
T	During scheduled calibration
U	Non-Destructive Inspection. Includes optical, pentrant, magnetic particle, radiographic, eddy current, ultrasonic, spectrometric oil analysis, etc.
V	During Unscheduled Calibration
W	In-Shop repair and/or disassembly for maintenance
Y	Upon receipt or withdrawal from supply stocks
Z	During initial equipment installation

---

1. Title: When Discovered designators (Ground Launched Missile Weapon Systems), ADE WH-185, Chg Eff: 1 Feb 1969

Data Codes	Data Items and Explanations:
GROUND LAUNCHED MISSILE WEAPON SYSTEMS (Including Associated AGE, RPIE and CEM)	
A	Countdown--Abort: This code applies to System Readiness Check (SRC) for Bomarc, Countdown for actual launch which results in a no go condition for MACE; when the discrepancy(s) discovered during these exercises cause the exercise or launch to be aborted. This code is not applicable to Tital II or Minuteman exercises. This code is applicable to countdown for actual launch such as training or verification launches of all missiles.
B	Countdown--No Abort: This code applies to discrepancies discovered as specified for Code "A" when the discrepancy(s) does not cause the launch or exercise to be aborted.
C	Simulated Countdown--Abort: This code applies to the Missile Commanded Calibrate, Sixty Second Test or Sensitive Command Network (SCN) Test for Minuteman; and Missile and/or Launch Verification Test for Tital II; or Operational Readiness Check or Scheduled Exercises for MACE; when the discrepancy(s) discovered during these exercises caused the exercise to be aborted. This code does not apply to Bomarc.
D	Simulated Countdown--No Abort: This code applies to discrepancies discovered as specified for code "C" when the discrepancy(s) does not cause the exercise to be aborted.
E	Post Launch/Refurbish Maintenance: Use for those discrepancies discovered during refurbishment of a launch after missile launch.
F	Unscheduled Maintenance: Use for discrepancies during phases of operation/maintenance not covered by other whne discovered codes.
G	Ground Alert/Operationally Ready--Not Degraded: Use for discrepancies discovered while the weapon system is in an operationally ready/alert status and the discrepancy(s) does not cause operationally ready/alert degradation. Do not use this code for discrepancies discovered during maintenance/exercise covered by codes B, D, J, N, P, Q, R, T, or V.

1. **Title:** When Discovered Designators (Ground Launched Missile Weapon Systems), ADE WH-185, Chg Eff: 1 Feb 1969 (Continued)

Data Codes	Data Items and Explanations:
GROUND LAUNCHED MISSILE WEAPON SYSTEMS (Including Associated AGE, RPIE and CEM) (Continued)	
H	Ground Alert/Operationally Ready--Degraded: Use for discrepancies discovered while the weapon system is in an operationally ready/alert status and the discrepancy(s) caused operationally ready/alert degradation. Do not use this code for discrepancies discovered during maintenance/ exercises covered by codes A or C.
J	Daily Inspection/Shift Verification: Use for discrepancies discovered during the performance of regularly scheduled daily inspections or during shift verification inspections conducted during change of missile combat crews.
L	During Training or Maintenance on Equipment Utilized in a Training Environment (Use only for Class II Training Equipment). This code should be used when recording maintenance or discrepancies on Class II trainers.
M	Scheduled Inspection: Use for discrepancies discovered during the performance if inspections specified by the -6 technical order except daily-shift verification inspections (see code J), scheduled calibrations (see code T), countdowns (see codes A and B), and simulated countdowns (see codes C and D).
N	Functional/Operation Check--Result "Good": Use for discrepancies discovered during performance of a functional/operational check and the discrepancy(s) did not cause the over-all result of the check to be "bad". Do not use this code for discrepancies discovered when checks are performed as a part of maintenance/exercises covered by codes B, D, J, M, T, or V.
P	Functional/Operational Check--Result "Bad": Use for discrepancies discovered during performance of a functional/operational check when the discrepancy(s) caused the result to be "bad". Do not use this code for discrepancies discovered when checks are performed as part of maintenance/ exercises covered by codes A, B, C, D, G, H, J, M, T or V.
Q	Special Inspection: Use for discrepancies discovered during the performance of "special" or "one time" inspections directed by local or higher authority including those directed by the "special inspection" portion of the -6 technical order. (Excluding Minuteman Launch Capability Test).
R	Quality Control Check: Use for all discrepancies discovered by quality control personnel during any phase of maintenance/operation.
S	Depot Level Maintenance: Use only for discrepancies discovered during maintenance performed at AFLC activities (including SRA's) and those discrepancies discovered during depot level maintenance performed "on location" such as compliance with depot level TCTO's and Modification Programs by depot/contractor personnel. Support Base Civil Engineer shops may use this code when performing "depot level" category maintenance/repair/overhaul on Missile Weapon System RPIE.
T	During Scheduled Calibration: Use only for discrepancies discovered during calibration actions directed by appropriate technical directives to be accomplished on a periodic/recurring basis.
U	Non-Destructive Inspection: Includes optical, penetrant, magnetic particle, radiographic, eddy current, ultrasonic, spectrometric oil analysis, etc.
V	During Unscheduled Calibration: Use for discrepancies discovered during calibration actions not covered by code T.
W	In-Shop Repair and/or Disassembly for Maintenance: Use of this code is restricted to discrepancies discovered while an item is under going "in-shop" benchheck and/or repair. Use code "F" for repair and/or disassembly actions performed "on-equipment" when these actions are not part of an action covered by one of the other codes.
X	Engine Test Stand Operations: Use for discrepancies discovered during portable test stands or cell operation.
Y	Upon Receipt or Withdrawal from Supply Stocks: Use for discrepancies discovered during bench check or installation on items received from AFLC depots, contractos, SRA's and/or supply stocks. This code is intended to pinpoint items which are classed as "serviceable" at time of issue and later proved to be "unserviceable".
Z	Minuteman Launch Capability Test: Use for discrepancies discovered during performance of Minuteman Launch Capability Test.

3. Work Unit Codes

3.1 WUCs for Aircraft and Drones

NOTE: Support general codes are for recording production credit of repetative tasks of a general nature, and shall not be used for recording malfunctions, repair, NRTS, or condemnation actions. The multitude of tasks which must be accomplished preclude listing them all in the support general task lists provided. This is not intended to restrict documentation of tasks. All support general work must be identified to the most appropriate code.

01000 GROUND HANDLING, SERVICING AND RELATED TASKS

Ground Handling (includes positioning, moving to a new position or moving crashed or disabled aircraft).
Loading and Unloading Engines/Cargo in aircraft.
Parking and Pre-Taxi (includes temporary parking, permanent parking, fireguard, AGE operations, installation and removal chocks, pins, locks or covers).
Runup
Drag Chute - Delivery, installation and recovery.
Mooring (tiedown, blade stoppage, installation of covers, etc.)
Flying - Flight Mechanics Performing Crew Duty.

SERVICING

Fuel (includes fueling and defueling)
Fuel Dump Probe or Nozzel (includes repositioning and service following use).
Oil (includes engine, turbo and APU, filling or draining).
Oxygen (includes purging)
Air (includes pneumatic system, tires, air bottles)
Water or Water/Alcohol Injection Fluid
Hydraulic Oil
Miscellaneous Servicing (includes anti-icing fluid, nitrogen, water, etc.)

RELATED TASKS

Armament (includes handling, routine cleaning, loading and unloading of guns and arms)
ATO/RATO Racks (servicing, loading and unloading)
Bomb-practic, conventional, incendiary, and special stores; (includes servicing, loading and unloading of bombs, racks, dispensers and associated equipment)
Rockets and Missiles loading, unloading and servicing (includes dumy, checkout or test missiles, racks, launches, etc.)
Tow Target/Tow Reel, etc.
Radio and Radar Receiver/Transmitter Frequency Changes, and installation or removal of crystals
Ballast (loading and unloading)
IFF/SIF Receiver/Transmitter Conversions or Codings
Passenger/Cargo Reconfiguration (includes installation and removal of floor covering, passenger seats, buffet, loading ramps, and auxiliary flooring).
Communications and Electronics Equipment Reconfiguration to meet mission requirements (do not use for TCTO accomplishment)
Tape Installation and Removal
Tape Development, Reproduction and Analysis
ECM (Chaff or Equipment Loading and Unloading)
Photographic - Equipment or film changes (loadings, or unloading, and film development and analysis).
Electronic Spares (replacement)
AGE, positioning, pickup and delivery

3.1 (Continued)

780 Equipment Pickup/Delivery (includes pickup/delivery of canopy covers, drag chutes, batteries, etc., to and from maintenance shops)
Survival Equipment (loading and unloading)
Pod, Pylon and External Tank Handling (includes installation and removal)
Refueling Boom (includes installation and removal)

02000 AIRCRAFT CLEANING. Includes washing, decontamination, snow, frost and ice removal, vacuuming, wiping, polishing, cleaning and treating of equipment to prevent corrosion. NOTE: Do not use this code for treating corroded parts or accessories. See action taken code Z.

05000 Preservation, Depreservation, and storage of aircraft, engines and associated equipment.

06000 Arming and Disarming of guns, rockets, explosive squibs, seats, canopies, external tanks/pods/pylon ejectors, armament bay doors, missile launchers, wing and fuselage center line racks, bomb bay release mechanisms/controls, etc. Also includes connecting and disconnecting aircraft batteries.

07000 PERPARATION AND MAINTENANCE OF RECORDS. (This code will be used by maintenance personnel to record only the direct labor expended in preparation and/or maintenance of status and historical forms. This excludes initiation and completion of production documentation forms.)

09000 SHOP SUPPORT GENERAL CODES

Fabricate (includes bending, cutting, forming, casting, holding, machining, soldering, assembly, local manufacture, etc.) not done as part of a fix on a specific job.
Painting (includes stenciling, lettering, installing decals, instrumet range marking, etc.) NOTE: Do not use this code for treating corroded parts or assemblies. See Action Taken Code Z).
Engine/or Power Pack Buildup or Teardown.
Engine Operation - Test Stand (includes installation of engines in test stand)
Wheel and Tire Buildup or Teardown
Cleaning and/or servicing (includes recharging, sandblast, degreasing, preparation for and/or removal from storage or shipment, etc.)
Reclamation (includes demilitarization, disassembly, preparation for resale and disposal of aerospace and nonaeronautical equipment)
Processing of small arms and ammunition
Inspection and/or repack of parachutes (all types)
Inspection and/or repack of flotation equipment
Inspection of personal equipment (includes helmets, specialized flight suits, etc.)
Fabric testing
Plating (includes cleaning and preparation for plating.)
Testing and servicing fire extinguishers.

3.1 (Continued)

SUPPORT GENERAL CODES
for
"LOOK" PHASE OF SCHEDULED AND SPECIAL INSPECTIONS

Look Phase of Scheduled Inspections

Code	Description
03100	Preflight Inspection
03101	End of Runway Check
03109	Daily Walkaround Inspection on Alert Aircraft
03110	Daily/Special Inspection (H-34 Only)
03200	Basic Postflight/Thruflight Inspection as Applicable
03209	Alert Exercise Postflight
03210	Basic Postflight/End of Day Inspection
03215	Combined Preflight/Postflight Inspection
03220	7-Day Calendar Inspection
03300	Hourly Postflight Inspection
03400	Periodic Inspection/Phase Inspection, Basic Phase
03600	Look Phase of PDM Work Package

Isochronal Inspection Concept

03710	Major Inspection
03720	Minor Inspection
03730	Home Station Check

Special Inspections

0411A	Climatization (includes preparation for arctic, desert or tropical operation)
0411B	Nondestructive Inspection Accomplished Separately from Sechduled Inspection
0411C	Hydraulic System Contamination Check
0411D	Oil Sampling for Spectrometric Analysis
0411E	Rough Field Mission Check
0411H	Fuel Components Contaimination Check
0411J	Operationally Ready Inspection (ORI)
04111	Special Modification Inspection
04112	Acceptance Inspection
04113	After Fire Inspection
04114	Excessive "G" Load Inspection

3.1 (Continued)

Code	Description
04115	Functional Taxi Check
04116	Aircraft Accident/Incident Check
04117	Battery Capacity/Specific Gravity Check
04118	Compass Swing Check
04119	Oil/Fuel Tank Sumps Drained Inspection
0412A	Seat/Ejection Seat or Emergency Egress System Check
0412B	Auxiliary Power Plant Inspection
0412C	Integrated Electronics System Check
0412D	Armament 25 Hour Inspection
0412E	Severe Turbulence Inspection
0412F	Calibration of AWCS
0412G	Weapon Suspension System Inspection
0412H	Remote Compass Check
0412J	Aft Fuselage Section Inspection
0412L	Missile Simulated Launch Check
0412M	MA1 45 Day Inspection
0412N	MA1 90 Day Inspection
04121	Hard Landing Inspection
04122	Landing Gear Retraction Check
04123	Wheel/Brake Inspection
04124	Pitot-Static Purge and/or Check
04125	Oxygen System Components Check
04126	Missile Pylon/Launcher Simulator Check
04127	Missile "Under the Wing/Integrated Systems Check"
04128	Fire Control and AWCS System Checks
04129	Bombing-Navigation-Communications System Checks
0413A	Propeller Oil Control Assy and Dome Flushing Check
0413B	Engine Hot Section Inspection
0413C	Engine Air Inlet Inspection
0413E	Cylinder Borescope Inspection/Engine Compressor Borescope Inspection
0413F	Engine Valve Decarbonization Inspection

3.1 (Continued)

Code	Description
0413H	Retorque of Propeller Components Following Engine or Propeller Change
0413J	Exhaust Gas Temperature (Jet Cal) Calibration
0413K	Engine Ramp System Functional Check
0413L	By Pass Bellmouth Functional Check
0413M	Bleed Air System Pressure Loss Test Check
0413N	Engine Oil Screen Inspection/Oil Strainer Inspection
0413P	Engine Stall/Flameout Check
04131	Engine or Cylinder Change Inspection (includes pre-oil)
04132	Hot Start or Overspeeding Inspection
04133	Valve Check
04134	Compression Check
04135	Propeller Shaft Due Check
04136	Engine or Ignition Analyzer Check
04137	Engine Conditioning (scheduled)
04138	Minor Engine Conditioning (unscheduled)
04139	Engine Trim Check
04140	Cabin Pressurization and/or Leak Test
04141	Corrosion Control Inspections Accomplished Separately from Scheduled Inspections
04142	Engine Bay Inspection - Engine Removed
04143	Air Conditioning System Check
04145	T/R Unit Capaciter Check for Electrolite Leakage and/or Corrosion
04149	Integral Weight and Balance Check (C-130)
0415A	Datscal (F-106)
0415B	ALE-20 System Check Prior to Flare Loading (B-52)
0415C	AWM-13 Stray Voltage Check
04150	Weight and Balance (includes weighing)
04151	Emergency Equipment (includes life raft, first aid kits, emergency radio, etc.)
04152	Inspection of Seat Belts and all Harnesses
04160	Rotor Overspeed Inspection
04161	Powertrain Overtorque Inspection (Helicopters)

3.1 (Continued)

Code	Description
04170	Equipment Inventory (DD Form 780)
04180	Checks Requiring Special Checkout Equipment
0418A	Air Data Computer and Associated Pitot and Static Instruments Leack Check
0418B	Overheat and Fire Warning System Inspection
0418C	Refueling Boom-Probe-Drogue-Special Inspection
04181	Airborne WSEM Rail Check
04182	Harmonization of Sights, Guns and Cameras (Fire Control, Bomb-Nav and Photo Systems)
04183	ADM-20C Bomber Checkout
04184	Partial AGM-28 Combined Systems Checkout
04185	Squib Continuity and Corrosion Check
04186	Inspection of Guns and Feeder Mechanisms
04187	Quantity Indicating System(s) Calibration
04188	Flight Director Group Operational Check
04190	Sudden Stoppage Inspection
04199	Special Inspection, Not Otherwise Coded
04210	Functional Check Flight
04221	Corrosion Inspection Phase I (KC-135 and B-52)
04222	Corrosion Inspection Phase II (KC-135 and B-52)
04223	AMAC and Release Test (W10) (FB-111)
04224	AMAC and Release Test (W13) (FB-111)
04225	Ejector Rack Release Test (W8) (FB-111)
04226	Conventional Bomb Release Test (W9) (FB-111)
04227	Controlled Interval Extension (CIE) Inspection Accomplished Separately from Scheduled Inspections
04510	Refurbishment Inspection (C-5A and C-141 Only)
04610	Nondestructive Testing (All Types)
04620	Analysis of Oil Samples
04630	Research and Development of New or Revised Nondestructive Inspection Techniques

3.1 (Continued)

Unique Data Codes for MCS
(Maintenance Cost System)

Code	Description
ALTOO	Alert Duty. All manhours expended while waiting for alert aerospace vehicles to takeoff or land, such as strategic, defense, tactical, standing by for crash alert, or for alert missiles when no work is being accomplished. Not to be used for standby, awaiting work assignments, lag, or other delays, or when direct productive effort is being expended.
CMPOO	Compensatory Time for Overtime. All direct assigned manhours excused from normal duty as a result of previously expended overtime manhours.
DTLOO	Detail, Squadron or Base Duties. Manhours expended by direct labor personnel (labor code 100) performing on-base duties such as CQ, policing, building maintenance, driver, dining hall, parade, commanders call, general military training, nontechnical training, etc.
LVEOO	Leave. Manhours excused from duty, pass, or official leave, military, medical or sick leave.
TRNOO	Maintenance Training. Manhours expended in OJT, formal and informal maintenance technical training.

NOTE: These codes are to be used to account for manhour expenditures of personnel with an assigned "direct" labor code when performing one of the above functions. Documentation guidance for AFTO Form 349 entries is contained in 00-20-2 Series Technical Orders.

3.1 (Continued)

SYSTEM CODES

11	AIRFRAME
12	COCKPIT AND FUSELAGE COMPARTMENTS
13	LANDING GEAR
14	FLIGHT CONTROL
15	HELICOPTER ROTOR SYSTEM
16	ESCAPE CAPSULE
17	AERIAL RECOVERY SYSTEM
18	VERTICLE OR SHORT TAKEOFF AND LANDING (V/STOL) POWER AND CONTROL TRANSMISSION SYSTEM
21	RECIPROCATING POWER PLANT
22	TURBO PROP/TURBOSHAFT POWER PLANT
23	TURBO JET OR TURBO FAN POWER PLANT
24	AUXILLIARY POWER PLANT
25	ROCKET POWER PLANT
26	HELICOPTER ROTARY WING DRIVE SYSTEM
31	ELECTRIC PROPELLER
32	HYDRAULIC PROPELLER
33	ELECTRO HYDRAULIC PROPELLER
34	MECHANICAL AND FIXED PITCH PROPELLERS
41	AIR CONDITIONING, PRESSURIZATION AND SURFACE ICE CONTROL
42	ELECTRICAL POWER SUPPLY
44	LIGHTING SYSTEM
45	HYDRAULIC AND PNEUMATIC POWER SUPPLY
46	FUEL SYSTEM
47	OXYGEN SYSTEM
49	MISCELLANEOUS UTILITIES
51	INSTRUMENTS
52	AUTOPILOT
53	DRONE AIRBORNE LAUNCH AND GUIDANCE SYSTEMS
54	TELEMETRY
55	MALFUNCTION ANALYSIS AND RECORDING EQUIPMENT

3.1 (Continued)

56	AUTOMATIC ALL WEATHER LANDING SYSTEM
57	INTEGRATED GUIDANCE AND FLIGHT CONTROL - Includes Auto Pilot When Part of Integrated System
61	HF COMMUNICATIONS
62	VHF COMMUNICATIONS
63	UHF COMMUNICATIONS
64	INTERPHONE
65	IFF
66	EMERGENCY COMMUNICATIONS
69	MISCELLANEOUS COMMUNICATIONS EQUIPMENT
71	RADIO NAVIGATION
72	RADAR NAVIGATION
73	BOMBING NAVIGATION
74	FIRE CONTROL
75	WEAPON DELIVERY
76	ELECTRONIC COUNTERMEASURE
77	PHOTOGRAPHIC/RECONNAISSANCE
81	AIRBORNE COMMAND AND CONTROL SURVEILLANCE RADAR (AWACS)
82	COMPUTER AND DATA DISPLAY (GRAPHIC)
89	AIRBORNE BATTLEFIELD COMMAND CONTROL CENTER (CAPSULE)
91	EMERGENCY EQUIPMENT
92	TOW TARGET EQUIPMENT
93	DRAG CHUTE EQUIPMENT
94	METEOROLOGICAL EQUIPMENT
95	SMOKE GENERATOR, SCORING AND TARGET AREA AUGMENTATION SYSTEMS, AND AIRBORNE CO-OPERATIONAL EQUIPMENT
96	PERSONNEL AND MISCELLANEOUS EQUIPMENT
97	EXPLOSIVE DEVICES AND COMPONENTS
98	ATMOSPHERIC RESEARCH EQUIPMENT

3.2 WUCs for Ground CEM Equipment

SUPPORT GENERAL CODES

01000	Alert and Service
01100	Alert
01110	Equipment Moving or Repositioning
01111	Installation and/or Relocation of Equipment
01112	Removal of Equipment
01210	SUPPORT—Includes Mission Equipment Operation or Support for Equipment Operation When Not Associated with Scheduled or Unscheduled Maintenance (use of this code is not necessary if covered by manhour accounting).
01300	SERVICE (Excluding PMI)
01310	Scheduled Power Changeover
01311	Troubleshooting End Items or Facilities. This code will be utilized only for end items of Ground CEM or facilities that do not have a specific Work Unit Code such as troubleshooting to determine the cause of power fluctuation or outages. Troubleshooting on items that have Work Unit Codes assigned will be recorded by utilizing the Work Unit Code and Action Taken Code "Y" Troubleshoot.
01320	Unscheduled Power Changeover
01330	Power Production Service and Checkout
01340	Environment Control (Including heating, air conditioning, humidity control, etc.)
01350	Rehabilitation of Antenna Systems (Including wire, cross arms, connectors, insulators, etc.)
01360	Unscheduled Antenna System Service (Including removal, installation or salvage of poles, guy wires, etc.)
01361	Clearing of Antenna/Transmission Right-of-Way
01362	Installation of New Antenna System
01375	Receiver or Transmitter Frequency Changes
01391	Painting (Includes stenciling, lettering, installing decals, instrument range markings, etc.
01420	Tape Development, Reproduction and Analysis
01600	Travel Time To and From Launcher, Launch Control, or Communication Facilities
02000	Equipment and Facility Cleaning (Limited to Services Affecting Equipment Performance, Excluding PMI)
02100	Washing or Degreasing
02110	Cleaning and Treating of Equipment to Prevent Corrosion
02300	Ground Snow, Frost and Ice Removal
02400	Cleaning Antenna Systems
02500	Cleaning Mobil Facilities
02600	Cleaning Fixed Facilities
03100	As Required (Other than as specified below)
03101	Daily
03107	7 Day Interval
03114	14 Day Interval
03121	21 Day Interval
03128	28 Day Interval
03142	42 Day Interval
03156	56 Day Interval
03184	84 Day Interval
03168	168 Day Interval
03136	336 Day Interval

3.2 (Continued)

PHASED INSPECTIONS

03410	Daily
0341A	Phase 1
0341B	Phase 2
0341C	Phase 3
0341D	Phase 4
0341E	Phase 5
0341F	Phase 6
0341G	Phase 7
0341H	Phase 8
0341J	Phase 9
0341K	Phase 10
0341L	Phase 11
0341M	Phase 12
0341N	Phase 13
0341P	Phase 14
0341Q	Phase 15
0341R	Phase 16
0341S	Phase 17
0341T	Phase 18
0341U	Phase 19
0341V	Phase 20
0341W	Phase 21
0341X	Phase 22
0341Y	Phase 23
0341Z	Phase 24
0342A	Phase 25
0342B	Phase 26

LOOK PHASE OF SPECIAL INSPECTION

04110	Operational or System Checks
04111	Special Modification Inspection
04112	Equipment Inventory
04119	Special Inspections NOC
04141	Corrosion Control Inspections Accomplished Separately from Scheduled Inspections

PRESERVATION AND DEPRESERVATION

05110	Preservation
05111	Temporary Storage
05112	Extended Storage
05113	Limited Storage
05114	Mod/Maintenance Storage
05120	Depreservation
05121	Temporary Storage
05122	Extended Storage
05123	Limited Storage
05124	Mod/Maintenance Storage
06000	Ground Safety
07100	Preparation or Maintenance of Records
07200	Updating or Maintenance of Publications and Directives
09110	Fabrication or Local Manufacture of Miscellaneous Items
09313	Inspection of Personnel Equipment
09315	Non-Destructive Testing (Includes tensile hardness, magnetic particle, optical, penetrant, SOAP, radiographic, eddy current, ultrasonic, metalographic, X-Ray diffraction, X-Ray spectrographic, etc.)
09317	Testing and Servicing Fire Extinguishers

3.2 (Continued)

Standard Radar System Codes: (Not applicable to navigational radar)

AA	Antenna System
AE	Control System
AG	Indicator System
AK	Transmitter System
AP	Receiver System
AT	ECCM System
AV	RF System
AX	Tower System
BA	Communications and Inter-Communications
BC	IFF System
BE	Optics System
BF	Mapping System
BH	Support Equipment
BK	Performance Monitor
BM	Television System
BW	Miscellaneous System
BY	Multiplexer System

3.3 WUCs for Ground Launched Missiles and Spacecraft Systems

01000	GROUND HANDLING, SERVICING AND RELATED TASKS
	Servicing
	Handling and Moving
	Depressurizing (unscheduled)
	Launch Support Team Duty
	Escort or Monitoring Visitors/Contractors
	Monitoring Chargin of LF/LCF Storage Batteries
	Site Penetration/Back-out
	Dispatch Preparation (Pre/Post)
02000	EQUIPMENT CLEANING
	Cleaning and Washing
	Cleaning and Treating Equipment to Prevent Corrosion
	Frost, Snow and Ice Removal
	Decontamination

3.3 (Continued)

05000 PRESERVATION, DEPRESERVATION, PACKAGING AND STORAGE OF EQUIPMENT

06000 ARMING, DISARMING AND GROUND SAFETY

07000 PREPARATION AND MAINTENANCE OF RECORDS. (This code will be used to record direct labor expended in the preparation and/or maintenance of status and historical forms. This excludes initiation and completion of production documentation forms.)

09000 SHOP SUPPORT GENERAL CODE

Fabricate (includes bending, cutting, forming, casting, holding, machining, soldering, assembly, local manufacture, etc) not done as part of a fix on a specific job.

Painting (includes stenciling, lettering, installing decals, instrument range markings, etc.)

Engine/or Power Pack Buildup or Teardown

Reclamation

"LOOK" PHASE OF SCHEDULED INSPECTIONS

Code	Description
03100	Receiving Inspection (Includes Assembly)
03110	Inspection Crews
0311K	Armament
0311L	Shelter Maintenance
0311M	Ramjet
0311N	Missile Maintenance
0311P	MIU
0311Q	Mobile Ground Power
0311R	Fueling
0311S	Disassembly
0311T	SMATE
0311U	IMSOC
03200	Installation (Do not use for Missile to Launcher Installation)
03300	Pre-Launch
03400	Daily
03500	Periodic (Phase if Authorized)
03510	15 Day

3.3 (Continued)

03520	30 Day
03530	60 Day
03540	90 Day
03550	180 Day
03560	360 Day
03600	Post-Launch/Static Firing
03700	Storage

SPECIAL INSPECTIONS

Code	Description
04110	Pressure Checks, Warhead
04120	Missile/Shelter Reset
04130	Pressure Check, Air Bottle
04141	Corrosion Control Inspections Accomplished Separately From Scheduled Inspections
04500	Accomplishment of Checklists
04572	Missile/Launch Verification (Simulation)
04573	Missile/Launch Verification (No Simulation)
04574	Missile Verification
04575	Launch Verification (Simulation)
04576	Launch Verification (No Simulation)
04577	Dynamic Response Test
04578	Combined Systems Test
04583	Thrust Maintenance Operation
04584	Silo Door Operation
04610	Non-Destructive Testing (All Types)
04630	Research and Development of New or Revised Non-Destructive Inspection Techniques
04999	Special Inspections Not Otherwise Coded

Code	Description
03101	Daily
03107	7 Day
03114	14 Day

3.3 (Continued)

Code	Description
03121	21 Day
03128	28 Day
03142	42 Day
03156	56 Day
03184	84 Day
03268	168 Day
03336	336 Day
03400	Daily/Preoperation
03500	Periodic
03510	Calibration Equipment
03520	Calibration Equipment
03530	Mobile Inspection Unit
03540	Handling Equipment
03550	Fuel Servicing Equipment
03560	Servicing and Support Equipment
03570	Control Equipment
03580	Armament Test Equipment
04111	Operational of System Check
04112	Special Modification Inspection
04113	Air or Ground Right-of-way Inspection (Includes Intersite Cable System, Fences, Insulators, Posts, Cable Markers, etc.)
04141	Corrosion Control Inspections Accomplished Separately From Scheduled Inspections
04610	Non-Destructive Testing (All Types)
04620	Analysis of Oil Samples
04630	Research and Development of New or Revised Non-Destructive Inspection Techniques

3.3 (Continued)

UNIQUE DATA CODES FOR MCS
(Maintenance Cost System)

Data Code	Description
ALTØØ	Alert Duty. All manhours expended while waiting for alert aerospace vehicles to takeoff or land, such as strategic, defense, tactical, standing by for crash alert, or for alert missiles when no work is being accomplished. Not to be used for standby, awaiting work assignments, lag, or other delays, or when direct productive effort is being expended.
CMPØØ	Compensatory Time for Overtime. All direct assigned manhours excused from normal duty as a result of previously expended overtime manhours.
DTLØØ	Detail, Squadron or Base Duties. Manhours expended by direct labor personnel (labor code 100) performing on-base duties such as CQ, policing, building maintenance, driver, dining hall, parade, commanders call, general military training, nontechnical training, etc.
LVEØØ	Leave. Manhours excused from duty, pass, or official leave, military, medical or sick leave.
TRNØØ	Maintenance Training. Manhours expended in OJT, formal and informal maintenance technical training.

NOTE: These codes are to be used to account for manhours expenditures of personnel with an assigned "direct" labor code when performing one of the above functions. Documentation guidance for AFTO Form 349 entries is contained in 00-20-2 Series Technical Orders.

SYSTEM CODES

	Missile or Spacecraft Structure (As applicable)
11	Airframe/Booster Structure
12	*
13	*
14	*
15	*
16	Orbital Craft Structure
17	Space Ferry and/or Manned Re-Entry Vehicle Structure
18	*
19	*
	Propulsion
21	*
22	*

3.3 (Continued)

23	Turbo Jet
24	Liquid Rocket
25	Solid Rocket
26	Orbital Maneuvering Engine
27	*
28	Retro Rocket (Excludes Primary Propulsion When Used in Tetro Fire Mode)
29	*
	Missile or Spacecraft Environmental Control and Life Support Systems
31	Air Conditioning (Including Atmospheric and Environmental Control)
32	Pressurization (When separate from air conditioning)
33	Hydraulic - Pneumatic Power Supply and Distribution
34	Electrical Power Supply and Distribution
35	Electrical Distribution
36	*
37	Subsistence/Waste
38	Space Suit, Life Support and Personal Maneuvering Equip
39	Miscellaneous
	Armament and Explosive Devices
41	Warhead
42	*
43	Destruct/Range Safety
44	Arming and Fusing
45	Separation
46	*
47	*
48	*
49	*
	Flight Control
51	Orbital Attitude Maneuvering
52	*
53	*

3.3 (Continued)

54 *

55 Auto Pilot

56 Flight Reference

57 Combined Controls

58 Deceleration and Surface Recovery (Excludes Retro-Rocket)

59 *

Guidance

61 Command

62 Inertial

63 Integrated Guidance and Flight Controls

64 Navigator/Celestial

65 Target Seeking

66 Tracking

67 Rendezvous Radar

68 *

69 *

Propellant

71 Liquid Rocket Fuel

72 Liquid Rocket Oxidizer and Hypergolic

73 Air Breathing Engine Fuel

74 Fuel and Oxidizer Pressurization Systems

75 Chemical

76 Nuclear Materiels

77 *

78 *

79 *

Missile Re-Entry Vehicle

81 Re-Entry Vehicle and Penetration Aids

82 *

83 *

84 *

85 *

3.3 (Continued)

86	*
87	*
88	*
89	*

Communications and Data Handling

91	Telemetry
92	Tracking and Range Instrumentation
93	Intercom
94	Communications
95	*
96	Data Recording and Retrieval
97	*
98	Reconnaissance
99	*

AGE/RPIE Systems

AA thru AZ	*
BA thru BZ	Launcher and Launch Facility
CA thru CZ	Servicing Equipment
DA thru DZ	Combined Servicing and Handling Equipment
EA thru EZ	Combined Servicing and Decontamination Equipment
FA thru FZ	Handling Equipment
GA thru GZ	Gas Generating Equipment
HA thru HZ	Environmental Control
JA thru JZ	Electrical Generation and Distribution
KA thru KZ	Propellant Loading and Storage
MA thru MZ	Guidance, Tracking Network and Instrumentation
NA thru NZ	Launch Control and Launch Control Facilities
PA thru PZ	*
QA thru QZ	Communications
RA thru RQ	Missile/Spacecraft Test Equipment
SA thru SZ	Systems Test Equipment

3.3 (Continued)

TA thru TZ	Training Equipment
UA thru UZ	Checkout Equipment
VA thru VZ	*
WA thru WM	WSEM (Weapon System Evaluator Missile)
WN thru WZ	Mission Simulator
XA thru XZ	*
YA thru YZ	*
ZA thru ZL	Miscellaneous
ZM thru ZZ	RPIE

NOTE: * These codes are unassigned. Their utilization will require prior approval of the procuring activity.

4. How Malfunctioned Codes

(ADE HO-920, Chg Eff: 1 Dec 1974)

1. Title: How Malfunction Designators, ADE HO-920, Chg Eff: 1 Dec 1974

	NUMERICAL LISTING	NOTE*
001	Gassy	
003	Open filament or tube circuit	
004	low GM or Emission	
007	Arcing, arced	
008	Noisy	
009	Microphonic	
010	Poor on incorrect focus	
020	Worn, chafed or frayed	
025	Capacitance incorrect	
028	Conductance Incorrect	
029	Current incorrect	
033	Destroyed or removed from service as a result of testing	
037	Fluctuates, unstable or erratic	
051	Fails to tune or drifts	
064	Incorrect modulation	
065	High voltage standing wave ratio	
069	Flame out	
070	Broken	
080	Burned out or defective lamp, meter or indicating device	
086	Improper Handling	2,B
088	Incorrect gain	
092	Mismatched--wheel halves, electronic parts, etc.	2,B
094	No gain or emission	
103	Attack display malfunction	
105	Loose or damaged bolts, nuts, screws, rivets, fasteners, clamps, or other common hardware	2,B
106	Missing bolts, nuts, screws, rivets, fasteners, clamps, or other common hardware	2,B
108	Broken, faulty or missing safety wire or key	2,B
111	Burst or Ruptured	
116	Cut	
117	Deteriorated	
127	Adjustment or alignment improper	
130	Change of value	
135	Binding, stuck or jammed	
142	Engine removed--excessive maintenance	C
143	Engine removed--Turbosupercharger failure	C
150	Chattering	
158	Launch damage	2,B
160	Contacts/connection defective	
167	Torque incorrect	2,B
169	Incorrect voltage	
170	Corroded-Mild to moderate	
177	Fuel flow incorrect	
181	Compression low	
190	Cracked	
204	Accidental Explosion of, or damage from, on board munitions	2,B
230	Dirty, contaminated or saturated by foreign material	2,B
242	Failed to operate or function--specific reason unknown	
246	Improper or faulty maintenance	2,B
253	Misfires	
255	No output/incorrect output	
277	Fuel nozzle coking	
279	Spray pattern defective	
290	Fails diagnostic automatic test	
300	Grounded electrically	
301	Foreign object damage	2,B
303	Bird strike damage	2,B

*The number in this column indicates type failure (DO56); the letter denotes data class (MDC). Where no entry appears, the failure identifier is "1, A".

1. Title: How Malfunction Designators, ADE HO-920, Chg Eff: 1 Dec 1974 (Continued)

NUMERICAL LISTING (Cont)

		NOTE
314	Slow acceleration	
315	RPM fluctuation or incorrect	
317	Hot Start	
330	Excessive hum	
334	Temperature incorrect	
350	Insulation breakdown	
372	Metal on magnetic plug	
374	Internal failure	
380	Compressor damaged--reason unknown	
381	Leaking--internal or external	
382	Liquid lock	
383	Lock on Malfunction	
386	Maintenance action due to lost in flight occurrence	
396	Oil breathing excessive	
398	Oil consumption excessive	
410	Lack of, or improper lubrication	
424	External power source	2,B
425	Nicked	
447	Wrong logic	2,B
450	Open	
454	Open Trace--multilayer printed circuit board (Depot use only)	
457	Oscillating	
458	Out of Balance	
464	Overspeed	
469	Bushing worn or damaged	
472	Fuse blown or defective circuit protector	
475	Engine failed to start	
481	Keyway or spline damaged or worn	
486	Turbine damaged--reason unknown	
503	Sudden stop	
513	Compressor stall	
518	Improper routing	2,B
520	Pitted	
525	Pressure incorrect	
537	Low power or thrust	
540	Punctured	
553	Does not meet specification, drawing, or other conformance requirements (must be used with 'when discovered' code Y)	2,B
561	Unable to adjust to limits	
567	Resistance incorrect	
583	Scope presentation incorrect or faulty	
585	Sheared	
598	Auto Rotation RPM incorrect (high/low)	
599	Travel or extension incorrect	
601	Detonation	
602	Failed or damaged due to malfunction of associated equipment or item	2,B
603	Oil in induction system	
604	Manifold pressure beyond limits	
605	Crazed	
606	Counter run off-position indicator	
607	No-Go indicator--specific reason unknown	
608	Drone or drone component not recovered	
609	Out of track/fails to track	
615	Shorted	
617	Sulfidation	
619	Shimmy excessive	
622	Wet/condensation	
623	After-burner blow out	
624	After-burner no-light	
625	Gating incorrect	
626	Inductance incorrect	

4. (Continued)

1. Title: How Malfuction Designators, ADE HO-920, Chg Eff: 1 Dec 1974 (Continued)

	NUMERICAL LISTING (Cont)	NOTE
627	Attenuation incorrect	
629	Relay malfunction--replacement not required	
631	Bias voltage incorrect	
632	Expended (thermal battery, fire extinguisher, etc.)	6,C
635	Sensitivity incorrect	
636	Time delay incorrect	
637	Triggering incorrect	
638	Parameters activated (AIM missile only)	2,B
639	Argon gas expended (AIM missile only)	2,B
649	Sweep Malfunction	
651	Air in system	
652	Automatic align time excessive	
653	Ground speed error excessive	
654	Terminal error--CEP excessive	
655	Terminal error--range excessive	
656	Terminal error--azimuth excessive	
657	Distance measurement error--navigation equipment	
658	Bearing destination (station) error	
660	Stripped	
664	Tension incorrect	
667	Corroded-severe	
668	Pump isolation--possibly damaged due to lack of fluid	
669	Potting material melting (reversion process)	
687	Hard or late afterburner light	
690	Vibration excessive	
692	Video faulty	
693	Audio faulty	
694	Audio and Video faulty	
695	Sync absent or incorrect	
697	Faulty tape--program or checkout	2,B
698	Faulty card--program or checkout	2,B
709	Administrative condemnation	2,B
710	Bearing failure or faulty	
711	Improper blanking	
718	Improper response to mechanical input	
719	Broken or frayed bonding or ground wire	
720	Brush failure/worn excessively	
721	Improper response to electrical input	
729	Decoupled	
730	Loose	
731	Battle damage	2,B
748	Frequency Erratic or Incorrect	
750	Missing	B
770	Slip ring or communtator failure	
780	Bent, buckled, collapsed, dented, distorted or twisted	
782	Tire tread area defected--use cut, delaminated, punctured, worn, etc., if applicable	
783	Tire sidewall damaged or defective	
784	Tire bead area damaged or defective	
785	Tire inside surface damaged or defective	
793	No defect TCTO kit received	6,D
796	No defect--removed for reliability assessment (re-entry vehicles and RV components)	6,C
797	No defect--technical order previously complied with	6,D
798	No defect--technical order not applicable--equipment to be replaced, modified or not installed	6,D
799	No defect	6,C
800	No defect--component removed and/or reinstalled to facilitate other maintenance	6,C
801	No defect--technical order compliance	6,D
802	No defect--partial technical order compliance	6,D
803	No defect--removed for time change	6,D or C
804	No defect--removed for scheduled maintenance or modification	6,C
805	No defect--not otherwise coded electrical, hydraulic, air, fuel, oxygen, oil, etc., lines, mechanical linkage and cables servicing a component removed/disconnected and/or installed/connected to facilitate other maintenance	6,C
812	No/ efect--indicated defect caused by associated equipment malfunction	6,C
814	Squib blown	

4. (Continued)

1. Title: How Malfunction Designators, ADE HO-920, Chg Eff: 1 Dec 1974 (Continued)

	NUMERICAL LISTING (Cont)	NOTE
816	Impedance incorrect	
824	Gyro precesses	
838	B plus incorrect	
846	Delaminated	
865	Protective coating/sealant defective	
877	Transportation damage	2,B
878	Weather damage	2,B
884	Lead broken	
900	Brned or overheated	
901	Intermittent	
910	Chipped	
911	Technical order not complied with-Tcto complied with in error or placed in work in error	6,D
916	Impending or incipient failure indicated by spectrometric oil analysis	
917	Impending failure or latent defect indicated by non-destructive inspection (Do not use if other codes apply)	
931	Accidental or inadvertent operation, release or activation (use code 386 if item was lost in flight)	2,B
932	Does not engage, lock or unlock correctly	
935	Scored or scratched	
937	Overheated cathode stem	
938	Power output dip	
939	Unable to load program	
941	Non-programmed halt	
942	Illegal operation or address	2,B
943	Data error	
944	Parity error	
946	Incorrect or no print out	
947	Torn	
948	No defect--operator error	2,C
949	Computer memory error/defect	
952	Solid propellant to liner or case separation	
953	Solid propellant void	
954	Solid propellant liner to case separation	
955	Data link high error rate	
956	Abnormal function of computer mechanical equipment	
957	No display	
958	Incorrect display	
959	Fails to transfer to redundant equipment	
961	High anode current	
962	Low power--electronic	
963	Broken filament/cathode terminal	
964	Poor spectrum	
966	RF window suck-in, broken or cracked	
968	Dioding	
969	Cannot resonate input cavity	
970	Coolant leak	
971	Cracked cathode bushing	
972	Damaged input probe	
973	damaged output probe	
974	Does not track tuning curve	
975	Filament to cathode short	
981	Frequency instability	
982	Frozen tuning mechanism	
983	Grid to cathode short	
984	Grid to plate short	
985	High body current/beam interception	
986	High modulator inverse	
987	Input pulse distortion	
988	Loss of vacuum	
989	Low coolant flow rate	
990	No focus current	
991	Out of band frequency	
992	Output pulse distortion	
993	RF Drive improper	

1. Title: How Malfunction Designators, ADE HO-920, Chg Eff: 1 Dec 1974 (Continued)

		NOTE
	NUMERICAL LISTING (Cont)	
994	RF Feed-thru attenuated/distorted	
995	RF feed-thru completely interrupted	
996	RF terminal overheated	
997	RF window burned	
	HIGH POWER TUBES	
963	Broken Filament/cathode terminal	
969	Cannot resonate input cavity	
970	Coolant leak	
971	Cracked cathode bushing	
972	Damaged input probe	
973	Damaged output probe	
974	Does not track tuning curve	
968	Dioding	
975	Filament to cathode short	
981	Frequency instability	
982	Frozen tuning mechanism	
983	Grid to cathode short	
984	Grid to plate short	
961	High anode current	
985	High body current/beam interception	
986	High modulator inverse	
987	Input pulse distortion	
988	Loss of vacuum	
989	Low coolant flow rate	
990	No focus current	
991	Out of band frequency	
992	Output pulse distortion	
937	Overheated cathode stem	
964	Poor spectrum	
938	Power output dip	
993	RF Drive improper	
994	RF Feed-thru attenuated/distorted	
995	RF Feed-thru completely interrupted	
996	RF Terminal overheated	
997	RF window burned	
966	RF window suck-in, broken or cracked	
	COMPUTER AND PROGRAM TYPE EQUIPMENT	
956	Abnormal function of computer mechanical equipment	
949	Computer memory error/defect	
943	Data Error	
955	Data link high error rate	
698	Faulty card--program or checkout	
697	Faulty tape--program or checkout	
942	Illegal operation or address	
958	Incorrect display	
946	Incorrect or no print out	
948	No defect--operator error	2,C
957	No display	
941	Non-programmed halt	
944	Parity error	
939	Unable to load program	
447	Wrong logic	2,B

5. Maintenance Data Collection System Computer Generated Codes

COMPUTER GENERATED CODES

A2-1. DATA CLASS. This code is located in record position 122 on the ABD32A/ ABD64A file.

a. CODE A = FAILURE. An on-equipment record containing a how malfunction code other than those listed for codes B, C, or D below. Code A is used in determining failure data for the performance monitoring system.

b. CODE B = INDUCED FAILURE. An on-equipment record containing how malfunction code 086, 092, 105, 106, 108, 158, 167, 230, 246, 301, 303, 447, 424, 518, 553, 602, 638, 639, 697, 698, 709, 731, 877, 878, 931, 942, or 204. Code B records are not included in the high-25 on-equipment failure, PCN SGØØ1B781.

c. CODE C = NON-FAILURES. An on-equipment record containing how malfunction code 142, 143, 632, 796, 799, 800, 803, 805, 812, 948, or 804 and type maintenance not "T" or "Z".

d. CODE D = NO DEFECT, TCTO. An on-equipment record containing type maintenance code "T" or "Z" and how malfunction code 793, 797, 798, 801, 802, or 804.

e. CODE E = OFF-EQUIPMENT REPAIR. An off-equipment record containing action taken code A, F, G, K, L, M, N, V, or Z and type maintenance not equal to "T" or "Z".

f. CODE F = BENCH CHECK/TEST. An off-equipment record containing action taken code B, C, D, J, X, 1-9, and type maintenance not equal to "T" or "Z".

g. CODE G = TCTO. An off-equipment record containing type maintenance code "T" or "Z".

h. CODE H = SUPPORT GENERAL. Any record containing a support general work unit code.

i. CODE 1 = INDIRECT LABOR. A record containing "INDLB" in columns 14-18.

j. CODE 2 = BIT OR PIECE. Data from the reverse side of the AFTO Form 349.

k. CODE 3 = REMOVAL OR INSTALLATION OF TIME CHANGE OR SERIALLY-CONTROLLED ITEM RECORD.

l. CODE 4 = ENGINE REMOVAL OR INSTALLATION RECORD.

A2-2. RECORD ID. This code is located in record position 123 on the ABD32A/ ABD64A file.

a. CODE 1 = ON-EQUIPMENT (INCLUDES TRANSACTIONS USING A MASTER ID NUMBER FOR PME/AGE).

b. CODE 2 = COMPLETE ENGINE BENCH CHECK/TEST/REPAIR.

c. CODE 3 = OFF-EQUIPMENT.

d. CODE 4 = INDIRECT LABOR.

e. CODE 5 = BIT OR PIECE.

f. CODE 6 = REMOVAL OR INSTALLATION OF A TIME CHANGE OR SERIALLY-CONTROLLED ITEM.

g. CODE 7 = ENGINE REMOVAL OR INSTALLATION.

6. Type Maintenance Codes

ADE MA-358, Chg Eff: 31 Jan 1975

NOTE: Selected type maintenance codes for research and development projects assigned in AFSC directives will be used with equipment classification code prefix P.

(1) Type maintenance codes for aircraft, drones, installed engines and related mobile training sets (MTS) and resident training equipment (RTE). Engine shop codes are included following this list of codes.

A — Service: Includes all units of work associated with servicing, cleaning and movement of equipment

B — Unscheduled Maintenance: Includes all units of work accomplishment between scheduled inspections except as provided in preceding code A, and excluding accomplishments of TCTO's and also includes repair/calibration of items or equipment between scheduled calibration intervals

C — Basic Postflight, or Thruflight Inspection: Includes all units of work accomplished during all phases of the basic postflight or thruflight inspection

D — Preflight Inspection: Includes all units or work accomplished during all phases of a preflight inspection. For Mobile Training Sets and Resident Training Equipment this includes all units of work accomplished during scheduled inspections such as daily, safety and servicing inspection, excluding periodic inspections

E — Hourly Postflight or Minor Inspection: Includes all units of work accomplished during all phases of an hourly or minor (Isochronal) inspection

H — Home Station Check: Includes all units of work accomplished during all phases of a home station (Isochronal) inspection

J — Scheduled calibration of equipment or components, including all units of work accomplished concurrently with a scheduled calibration

M — Interior Refurbishment: Includes all work accomplished during interior refurbishment of aircraft

P — Periodic, Phased or Major Inspection: Includes all units of work accomplished during look and fix phases of periodic, phased or major inspections, excluding accomplishments of TCTO's

Q — Forward Support Spares: Includes all units of work performed by all activities in recording in-shop maintenance actions on forward support spares, excluding accomplishments of TCTO's

R — Depot Maintenance: Includes all units of work accomplished when depot maintenance or rehabilitation is performed regardless of location. Excludes accomplishment of TCTO's

S — Special Inspection: Includes all units of work accomplished during all phases of special inspections, excluding accomplishment of TCTO's. Includes all functional check flights

T — Time Compliance Technical Order (TCTO): Includes accomplishment of all TCTO's

Y — Aircraft Transient Maintenance: Includes all units of work accomplished on/or for transient aircraft, excluding accomplishment of TCTO's

Z — Time Compliance Technical Order (TCTO) MMICS Computer Generated: Enables distinction between TCTO transactions processed within MMICS and passed to standard MDCS for daily/monthly processing where both systems operate on same base.

NOTE: This type maintenance code applies to all type maintenance tables (10) presently contained in Vol XI, AFM 300-4).

ADE MA-358, Chg Eff: 1 Jun 1974

(2) Type Maintenance codes for engine shop work on removed engines.

A — Gas Turbine Engine Scheduled Inspections: In shop when the engine removal is made because an inspection is due. This code will be used to identify all maintenance except TCTO's required in conjunction with scheduled inspection, including JEBM if it is accomplished concurrently with the inspection

B — Gas Turbine Engine Field Maintenance (JEBM): Includes all work required on an engine removed because of a failure or malfunction

C — Gas Turbine Engine Build-Up: Includes all work required during build-up of an engine from supply stock

D — Gas Turbine Engine Tear-Down and Preparation for Shipment: Includes all work required to tear-down and prepare a failed or time expired engine for shipment when repair cannot be accomplished on base

E — Unscheduled Test Cell Operation: To be used when the engine is removed for test cell operation and the removal was made for reasons other than a scheduled inspection of JEBM, i.e., directed removals or accessory replacement. All other test cell operations will be charged to the appropriate work order prefix

H — Reciprocating Engine Build-Up: Includes all work required during build-up or reciprocating engines drawn from supply stock

K — Reciprocating Engine Tear-Down and Preparation for Shipment: Includes all work required to tear-down and prepare a failed or time expired engine for shipment when repair cannot be accomplished on base

L — Reciprocating Engine Field Maintenance: To be used for repair for an engine removed from aircraft when the engine will be retained by the activity for reinstallation in the same, or another aircraft

Q — Forward Support Spares: Includes all units of work performed by all activities in recording in-shop maintenance actions on MAC forward support spares, excluding accomplishments of TCTO's

R — Depot Maintenance: Includes all units of work accomplished when depot maintenance or rehabilitation is performed, regardless of location. Excludes accomplishment of TCTO's

S — Special Inspection: Includes all units of work accomplished during all phases of special inspections, excluding accomplishment of TCTO's

T — Time Compliance Technical Order (TCTO): Includes accomplishment of all TCTO's on removed or spare engines, and accomplishment of TCTO's on installed engines

W — Minor Maintenance: Performed on engines ("short time spares") removed to facilitate airframe TCTO; extensive aircraft structural repair; to reconciliate airframe and engine time for alignment of periodic/phase inspections; and to record manhours expended in repair (minor maintenance) of engines for which minor repair (other than and not to include JEBM) could not be made within practical time limits due to untimely receipt of parts, nonavailability or required equipment, work priority, etc.

NOTE: This engine category (Type Maintenance Code) will cover the instances wherein little or no maintenance is required. For example: Supervisory shakedown of an engine as a "short time" spare or minor maintenance on a built up spare engine to requalify it for service after the original work order has been closed out.

Y — Transient Engine Maintenance: Includes all units of work performed on or for engines removed from transient aircraft, excluding accomplishment of TCTO's

Z — Time Compliance Technical Order (TCTO), MMICS Computer Generated: Enables distinction between TCTO transactions processed within MMICS and passed to standard MDCS for daily/monthly processing where both systems operate on same base.

NOTE: This type maintenance code applies to all type maintenance tables (10) presently contained in Vol XI, AFM 300-4).

(3) Type maintenance codes for air launched missiles, and related AGE and training equipment.

A — Service: Includes all units of work associated with servicing, cleaning and movement of equipment

B — Unscheduled Maintenance: Includes all units of work accomplishment between scheduled inspections except as provided in preceding code A, and excluding accomplishments of TCTO's and also includes repair/calibration of items or equipment between scheduled calibration intervals

C — Basic Postflight: Includes all units of work accomplished during all phases of the basic post-flight inspection

D — Preflight or Scheduled Inpsection: Includes all units of work accomplished during all phases of a preflight inspection. For AGE and training equipment this included all units of work accomplished during scheduled inpsections such as daily, safety, and servicing inspection, excluding periodic inspections

E — Hourly Postflight: Includes all units of work accomplished during all phases of an hourly post-flight, inspection

J — Scheduled calibration of equipment or components, including all units of work accomplished concurrently with a scheduled calibration

P — Periodic or Phased Inspection: Includes all units of work accomplished during look and fix phases or periodic or phased inspections, excluding accomplishment of TCTO's

R — Depot Maintenance: Includes all units of work accomplished when depot maintenance or rehabilitation is performed, regardless of location. Excludes accomplishment of TCTO's

S — Special Inspection: Includes all units of work accomplished during all phases of special inspections, excluding accomplishment of TCTO's

T — Time compliance Technical Order (TCTO): Includes accomplishment of all TCTO's

Z — Time Compliance Technical Order (TCTO), MMICS Computer Generated: Enables distinction between TCTO transactions processed within MMICS and passed to standard MDCS for daily/monthly processing where both systems operate on same base

NOTE: This type maintenance code applies to all type maintenance tables (10) presently contained in Vol XI, AFM 300-4).

(4) Type maintenance codes for ground launched missiles, and related AGE, ground CEM, RPIE, and training equipment.

A Service: Includes all units of work associated with servicing, cleaning and movement of equipment. Excludes scheduled and special inspections, repairs, and movement of missiles as outlined in Code F

B Unscheduled Maintenance: Includes all units of work accomplishment between scheduled inspections except as provided in preceding code A, and excluding accomplishments of TCTO's and also includes repair/calibration of items or equipment between scheduled calibration intervals.

D Scheduled Inspection: Includes all units of work accomplished during scheduled inspections such as daily, safety, and servicing inspection, excluding periodic/phased inspection.

F Scheduled Ground Launched Missile Maintenance: Excludes scheduled inspections. Includes all units of work accomplished during initial receipt and assembly, transportation to launcher, mating to launcher, checkout of missile on launcher, checkout to readiness condition, and the same functions involved in recycling the missile to and from a periodic inspection and return to launcher

J Scheduled calibration of equipment or components, including all units of work accomplished concurrently with a scheduled calibration

P Periodic or Phased Inspection: Includes all units of work accomplished during look and fix phases of periodic or phased inspections, excluding accomplishment of TCTO's

R Depot Maintenance: Includes all units of work accomplished when depot maintenance or rehabilitation is performed, regardless of location. Excludes accomplishment of TCTO's

S Special Inspection: Includes all units of work accomplshed during all phases of special inspections, excluding accomplishment of TCTO's

T Time Compliance Technical Order (TCTO): Includes accomplishment of all TCTO's

Z Time Compliance Technical Order (TCTO) MMICS Computer Generated: Enables distinction between TCTO transactions processed within MMICS and passed to standard MDCS for daily/monthly processing where both systems operate on same base.

NOTE: This type maintenance code applies to all type maintenance tables (10) presently contained in Vol XI, AFM 300-4.

(5) Type maintenance codes for common AGE.

A Service: Includes all units of work associated with servicing, cleaning and movement of equipment

B Unscheduled Maintenance: Includes all units of work accomplishment between scheduled inspections except as provided in preceding code A, and excluding accomplishments of TCTO's and also includes repair/calibration of items or equipment between scheduled calibration intervals

D Scheduled Inspection: Includes all units of work accomplished during scheduled inspections such as daily, safety and servicing inspection, excluding periodic/phased inspection.

J Scheduled calibration of equipment or components, including all units of work accomplished concurrently with a scheduled calibration

P Periodic or Phased Inspection: Includes all units of work accomplished during look and fix phases of periodic or phased inspections, excluding accomplishment of TCTO's

Q Forward Support Spares: Includes all units of work performed by all activities in recording in-shop maintenance actions on MAC forward support spares, excluding accomplishment of TCTO's

R Depot Maintenance: Includes all units of work accomplished when depot maintenance or rehabilitation is performed, regardless of location. Excludes accomplishment of TCTO's

S Special Inspection: Includes all units of work accomplished during all phases of special inspections, excluding accomplsihment of TCTO's

T Time Compliance Technical Order: Includes accomplishment of all TCTO's

Z Time Compliance Technical Order (TCTO) MMICS Computer Generated: Enables distinction between TCTO transactions processed within MMICS and passed to standard MDCS for daily/monthly processing where both systems operate on same base.

NOTE: This type maintenance code applies to all type maintenance tables (10) presently contained in Vol XI, AFM 300-4.

(6) Type Maintenance Codes for Class I Trainers included in 43 series work unit code manuals.

A Service: Includes all units of work associated with servicing, cleaning and movement of equipment

B Unscheduled Maintenance: Includes all units of work accomplishment between scheduled inspections except as provided in preceding code A, and excluding accomplishments of TCTO's and also includes repair/calibration of items or equipment between scheduled calibration intervals

D Scheduled Inspection: Includes all units of work accomplished during scheduled inspections such as daily, safety and servicing inspection, excluding periodic/phased inspection

J — Scheduled calibration of equipment or components, including all units of work accomplished concurrently with a scheduled calibration

P — Periodic or Phased Inspection: Includes all units of work, accomplished during look and fix phases of periodic or phased inspections, excluding accomplishment of TCTO's

R — Depot Maintenance: Includes all units of work accomplished when depot maintenance or rehabilitation is performed, regardless of location. Excludes accomplishment of TCTO's

S — Special Inspection: Includes all units of work accomplished during phases of special inspections, excluding accomplishment of TCTO's

T — Time Compliance Technical Order (TCTO): Includes accomplishment of all TCTO's

Z — Time Compliance Technical Order (TCTO) MMICS Computer Generated: Enables distinction between TCTO transactions processed within MMICS and passed to standard MDCS for daily/monthly processing where both systems operate on same base.

NOTE: This type maintenance code applies to all type maintenance tables (10) presently contained in Vol XI, AFM 300-4.

(7) Type maintenance codes for ground CEM, COMSEC, and ground CEM "L" systems (excluding ground launched missile CEM).

A — Service: Includes all units of work associated with servicing, cleaning (not part of an inspection) and movement of equipment

B — Unscheduled Maintenance: Includes all units of work accomplishment between scheduled inspections except as provided in preceding code A, and excluding accomplishments of TCTO's and also includes repair/calibration of items or equipment between scheduled calibration intervals

F — Daily/Shift/Phase/Periodic: Includes all units of work accomplished during Daily/Shift/Phased/Periodic inspections. This code will be used on both the "look" phase of the inspection and on all "fix" phase documents generated for the correction of deficiencies noted during the inspection.

NOTE: Accomplishment of unscheduled inspection actions performed as part of repair will be considered part of the total action, i.e., Action Taken Code F, G, etc.

H — Emergency On-Site Repair: Includes all units of work authorized and accomplished as a result of an emergency request for assistance. Applicable to all levels of maintenance performed by AFCS Engineering and Installation Teams; and organizational and intermediate maintenance performed by AFLC Mobile Depot Activity (MDA) Teams. Excludes accomplishment of TCTO's

J — Scheduled calibration of equipment or components, including all units of work accomplished concurrently with a scheduled calibration

P — Scheduled Maintenance: Includes all scheduled work accomplished between scheduled inspections, such as periodic scheduling of equipment through shops. Excludes the "look" and "fix" phase of scheduling inspections, or work outlined in other type maintenance codes

R — Depot Maintenance: Includes all units of work accomplished when depot maintenance or rehabilitation is performed, regardless of location. This includes emergency on-site repair involving depot level maintenance AFLC personnel. Excludes accomplishment of TCTO's

S — Special Inspection: Includes all units of work accomplished during special inspections. This code will also be used for all separate "fix" and "repair" documents generated for the correction of deficiencies noted during the special inspection

T — Time Compliance Technical Order (TCTO): Includes accomplishment of all TCTO's

Z — Time Compliance Technical Order (TCTO) MMICS Computer Generated: Enables distinction between TCTO transactions processed within MMICS and passed to standard MDCS for daily/monthly processing where both systems operate on same base.

NOTE: This type maintenance code applies to all type maintenance tables (10) presently contained in Vol XI, AFM 300-4.

(8) Type maintenance codes for Precision Measurement Equipment (PME).

B — Unscheduled Maintenance: Includes all units of work accomplishment between scheduled inspections except as provided in preceding code A, and excluding accomplishments of TCTO's and also includes repair/calibration of items or equipment between scheduled calibration intervals

J — Scheduled calibration of equipment or components, including all units of work accomplished concurrently with a scheduled calibration

S — Special Inspection: Includes all units of work accomplished during all phases of special inspections, excluding accomplishment of TCTO's

T — Time Compliance Technical Order (TCTO): Includes accomplishment of all TCTO's

Z — Time Compliance Technical Order (TCTO) MMICS Computer Generated: Enables distinction between TCTO transactions processed within MMICS and passed to standard MDCS for daily/monthly processing where both systems operate on same base

(9) Type maintenance codes for munitions.

A Scheduled Maintenance: Includes all scheduled maintenance, inspection, service and storage of munitions and peculiar test and handling equipment

B Unscheduled Maintenance: Includes all units of work accomplishment between scheduled inspections except as provided in preceding code A, and excluding accomplishments of TCTO's and also includes repair/calibration of items or equipment between scheduled calibration intervals

J Scheduled calibration of equipment or components, including all units of work accomplished concurrently with a scheduled calibration

R Depot Maintenance: Includes all units of work accomplished when depot maintenance or rehabilitation is performed, regardless of location. Excludes accomplishment of TCTO's

S Special Inspection: Includes all units of work accomplished during all phases of special inspections, excluding accomplishment of TCTO's

T Time Compliance Technical Order (TCTO): Includes accomplishment of all TCTO's

Z Time Compliance Technical Order (TCTO) MMICS Computer Generated: Enables distinction between TCTO transactions processed within MMICS and passed to standard MDCS for daily/monthly processing where both systems operate on same base

NOTE: This type maintenance code applies to all type maintenance tables (10) presently contained in Vol XI, AFM 300-4.

(10) Type Maintenance codes for shop work. Items withdrawn from supply stock (except engines), items that cannot be related to an aerospace vehicle or end piece of equipment and life support (personal) equipment is the only equipment that will be identified with shop equipment classification codes.

A Maintenance of aerospace vehicle components, aerospace ground equipment, Class I Trainers, Ground CEM and RPIE

C Manufacture and/or facrication of aerospace vehicle components, aerospace ground equipment, ground CEM and RPIE

J Scheduled calibration of equipment or components, including all units of work accomplished concurrently with a scheduled calibration

P Inspection, repair, maintenance and serivce of life support (personal) equipment and flotation equipment such as parachutes, oxygen masks, flight clothing, life vests and rafts. Excludes accomplishment of TCTO's

Q Forward Support Spares: Includes all units of work performed by all activities in recording in-shop maintenance actions on MAC forward support spares, excluding accomplishments of TCTO's

R Depot Maintenance: Includes all units of wrok accomplished when depot maintenance or rehabilitation is performed, regardless of location. This includes emergency on-site repair involving depot level maintenance by AFLC personnel. Excludes accomplishment of TCTO's

S Special Inspection: Includes all units of work accomplished during all phases of special inspections, excluding accomplishment of TCTO's

T Accomplishment of Time Compliance Technical Order (TCTO) on removed components, shelf spares, life support (personal) equipment and flotation equipment

W Special Support and Compliance with 00-20K Series Technical Orders: Includes inspection, testing checking, preservation and/or packaging of serviceable items from base supply, or enroute or fly-away kit items

Z Time Compliance Technical Order (TCTO), MMICS Computer Generated: Enables distinction between TCTO transactions processed within MMICS and passed to standard MDCS for daily/monthly processing where both systems operate on same base

NOTE: This type maintenance code applies to all type maintenance tables (10) presently contained in Vol XI, AFM 300-4.

APPENDIX 4-3A

INSTRUCTIONS FOR COMPLETION OF AFFTC FORM 0-300

Block No.	Title	Instructions
1	Aircraft Type	a. Enter type (F, FB, etc.) right justified in first two spaces. b. Enter model (111, 004) right justified in third, fourth, and fifth spaces. Prefix with zeros. c. Enter series in sixth space.
2	ID Serial No.	Enter the last four digits of the aircraft tail number.
3	Mission No.	Enter mission number of this flight. Right justify and prefix with zeros.
4	Date	Enter day, month, and year of flight as indicated.
5	T.O. Time	Enter the actual aircraft takeoff time in hours and minutes.
6	Duration	Enter the actual mission duration in hours and minutes.
7	Type Mission	Enter a two digit number indicating type mission as noted at the bottom of the form or as specified by the Project Engineer.
8	Msn Effect	Enter a one digit code indicating the mission effectiveness as noted at the bottom of the form. Missions changed for other than maintenance problems or system operation should be coded 1. If any mission requirements could not be accomplished due to equipment failure this should be coded 2.
9	Landings	Enter the number of landings, including touch and go's accomplished on this flight. Right justify and prefix with zeros.

Block No.	Title	Instructions
10-17	Different for each aircraft. The use of these fields is determined by the engineers assigned to the project.	See special instructions for specific aircraft.
18	Aircraft Commander	Enter the last name of the aircraft commander.
19	Determined separately for each project	Enter the last name. For single man crew aircraft, this may be the debriefer or flight test engineer. For multiple-man crew aircraft, it may be the copilot, systems operator or flight test engineer.
20		For optional use. This block will not be keypunched.
21-80		Enter the reliability code noted on the bottom of the form which most clearly describes the operation of the system during the flight. The following criteria should be used in determining which code is correct. Blank-Equipment not used. 1-Operated satisfactory. The system was completely satisfactory, and there was no writeup on the system. If a code 2, 3, or 4 is given to a system, a flight crew writeup is required. If emergency modes are used, the subsystem will be coded 3 or 4. 2-Degraded operation. A subsystem has a malfunction, but can accomplish its designed function in this degraded condition. A redundant or backup (degraded) mode can be used. Use of emergency modes will be considered more severe than a discrepancy and will be coded 3 or 4.

Block No.	Title	Instructions
		3-Failed but no abort. Subsystem cannot accomplish design functions, as determined by the flight crew, even in a secondary mode. This does not substitute one system for another.
		4-Failed and abort. The severity of the malfunction was so great that the aircrew had to abort their mission. If this code is used there must be a 3 or 4 recorded in block 8. No more than one system will be given the abort reliability code 4.
		5-Flown with known discrepancy but system usable. If the flight was made with this system having a known discrepancy but the system was usable and no further malfunctions occurred, this code should be used. If an additional discrepancy occurred on this flight then enter the applicable code: 2, 3, or 4.
		6-Flown with known engineering discrepancy but system usable. Same as with code 5 except that the discrepancy is an engineering deficiency.
		7-Flown with known discrepancy but system unusable. If the flight was made with this system known to have a discrepancy but the system was unusable then this code should be used.
		8-Flown with known engineering discrepancy but system unusable. Same as with code 7 except that the discrepancy is an engineering deficiency.
		NOTE: A ground abort occurs when the crew shuts down engines and/or a repair is required to fix a major malfunction the pilot would not have taken off

Block No.	Title	Instructions
		with. An air abort occurs when a safety of flight malfunction causes termination of the flight or a complete break-off of the primary mission is caused by a subsystem malfunction.
	Mission Objective	Enter the specific requirements of this mission and other pertinent comments. This section will be keypunched.
	Signature of Aircraft Commander	Self Explanatory.
	Signature of Debriefer	Self Explanatory.

REVERSE SIDE OF FORM

This side of the form is used to correlate the discrepancy with the maintenance required to accomplish the fix. One line should be filled out for each flight writeup. If more than eight writeups occur on a single flight, an additional form should be attached to document those additional discrepancies. The Block, Rel Code, BITE, and Description of discrepancy information should be filled in during mission debriefing. The remaining blocks will be filled in by the engineering or maintenance organizations after the flight line (organizational) repair has been started and the cause of the discrepancy determined. On-equipment codes will be used if shop data is not available.

Block Title	Instructions
Disc. No.	This field is for sequencing the discrepancies. Enter 01 for the first discrepancy, 02 for the second discrepancy, etc. Continue discrepancy writeups on a second form when necessary and continue with sequencing. A maximum of 25 writeups are allowed.
Block	Enter the block number from the front side of the form that indicated which system has the discrepancy.
Rel Code	Enter the reliability code, determined by the aircrew, which best described the system status. If only one discrepancy occurred on a single system, this code should be the same as that entered on the front of the form for that system.
Job Control Number	The job control number assigned to this job should be entered.
Work Unit Code	Enter the Work Unit Code (WUC) of the failed item. If the WUC consists of five characters it should be left justified. If the WUC consists of seven characters (MEARS Number) all seven may be entered; however, only the first five are keypunched.

Block Title	Instructions
How Mal	Enter the How Mal Code from the maintenance form which best describes the system malfunction. A no defect (799) code may be entered; however, the original Rel Code should be retained.
Act.	Enter the Action Taken Code for the maintenance which best described the corrective action taken.
Safety Code	Ref. MIL-S-38130A. Enter the following code to indicate the severity of the malfunction: 1-Safe--will not result in major system degradation and will not produce system functional damage or personnel injury. 2-Marginal--will degrade system performance but can be counteracted or controlled without major damage or any injury to personnel. 3-Critical--will degrade system performance by personnel injury or substantial damage or will result in a hazard requiring immediate correction action for personnel or system survival. 4-Catastrophic--will severely degrade system performance and cause subsequent system loss or death or multiple injuries to personnel. If the R&M Engineer cannot determine which category a malfunction falls in, he should solicit the project safety officers' decision.
When Disc.	Enter the When Discovered Code from the applicable maintenance form.
BITE	Enter a code to indicate whether the malfunction was identified inflight by Built in Test Equipment (MADAR, AIDS, etc.). The following codes should be used. Blank-No BITE is associated with this system. 1-BITE should have identified the problem to the crew but did not. 2-BITE identified a malfunction but no other failure indications were noted. 3-An observed discrepancy occurred which was confirmed by a BITE malfunction indication.

Block Title	Instructions
Time to Fail	Enter the time of failure for the subsystem in hours and minutes.
Mach	Enter the mach number achieved during the mission at which this malfunction occurred.
ALT x 100	Enter the altitude achieved (a multiple of 100 feet) during the mission at which this malfunction occurred.
Description of Discrepancy	Enter narrative describing the discrepancy and what corrective maintenance was taken. Also may enter any other related and pertinent information.

APPENDIX 4-3B

SUPPLEMENTAL FORMS

	Page
AFTO Form 44, "Turbine Wheel Historical Record"	4-3B-3
AFTO Form 95, "Significant Historical Data"	4-3B-4
AFTO Form 100, "Aircraft Data Record"	4-3B-5
AFTO Form 100A, "Accessory Replacement Record"	4-3B-5
AFTO Form 102, "Munition Inspection Document"	4-3B-6
AFTO Form 103, "Aircraft/Missile Condition Report"	4-3B-7
AFTO Form 105, "Inspection Maintenance Firing Data for Ground Weapons"	4-3B-8
AFTO Form 119, "Oil Analysis Request"	4-3B-9
AFTO Form 119A, "Oil Analysis Record"	4-3B-10
AFTO Form 120, "Electron Tube Field Life Record"	4-3B-11
AFTO Form 120A, "Electron Tube Performance and Status Report"	4-3B-12
AFTO Form 158, "Technical Order Review Comment Sheet"	4-3B-13
AFTO Form 207, "Status and Operational Record"	4-3B-14
AFTO Form 209, "Maintenance Log"	4-3B-15
AFTO Form 223, "Time Change Requirements Forecast"	4-3B-16
AFTO Form 781D, "Calendar and Hourly Item Inspection Document"	4-3B-17
AF Form 991, "Record of Cannibalization"	4-3B-18
AF Form 2400, "Job Standard"	4-3B-18
AF Form 2401, "Equipment Utilization and Maintenance Schedule"	4-3B-19
AF Form 2403, "Weekly Aircraft Utilization/Maintenance Schedule"	4-3B-20
AF Form 2406, "Maintenance Preplan"	4-3B-21
AF Form 2410, "Inspection/TCTO Planning Checklist"	4-3B-22
AF Form 2412, "Flight Status Register"	4-3B-23
AF Form 2416, "Personnel/Crew Evaluation Report"	4-3B-23
AF Form 2417, "Technical Inspection Points Computation"	4-3B-24
AF Form 2418, "Personnel Evaluation and Overall MSEP Points Computation"	4-3B-25
AF Form 2420, "Quality Control Inspection Summary"	4-3B-26
AF Form 2422, "Maintenance Analysis Referral"	4-3B-27
AF Form 2423, "Technical Order Improvement or Unsatisfactory Materiel Reports Log"	4-3B-28

	Page
AF Form 2424, "Maintenance Training Document"	4-3B-29
AF Form 2431, "Aerospace Ground Equipment Status"	4-3B-30
AF Form 2435, "Load Training and Certification Document"	4-3B-31
AF Form 2436, "Weekly/Daily Utilization Schedule"	4-3B-32
AF Form 2443, "Shop Workload Summary"	4-3B-33
AF Form 2448, "Personnel Evaluation Report – CEM"	4-3B-34

TURBINE WHEEL HISTORICAL RECORD

OMB NO. 21-R0104
EXPIRES 30 APRIL 1975

1. AF PART NUMBER	2. MANUFACTURER'S NUMBER	3. AF SERIAL NUMBER	4. TURBINE STAGE NUMBER

5. WHEELBLANK DIAMETRICAL MEASUREMENT	6. ABNORMAL TEMPERATURE AND/OR OVERSPEED DATA					
	DATE A.	ENGINE TIME B.	WHEEL TIME C.	TEMPERATURE OR SPEED D.	TIME OVER LIMIT E.	NATURE AND POSSIBLE CAUSE F.
NEW						
1ST OVERHAUL						
2ND OVERHAUL						
3RD OVERHAUL						
4TH OVERHAUL						
5TH OVERHAUL						
6TH OVERHAUL						
7TH OVERHAUL						
8TH OVERHAUL						

7. INSTALLATION DATA								
ACTIVITY A.	ENGINE MODEL AND SERIAL NO. B.	INSTALLED		REMOVED		WHEEL TIME SINCE NEW G.	WHEEL TIME SINCE OVHL H.	REASON FOR REMOVAL I.
		DATE C.	ENG TIME D.	DATE E.	ENG TIME F.			

AFTO FORM APR 72 44 PREVIOUS EDITION WILL BE USED

AFLC-WPAFB-NOV 72 150M

SIGNIFICANT HISTORICAL DATA

PAGE OF PAGES

1. MISSION DESIGN SERIES/TYPE, MODEL AND SERIES	2. MANUFACTURER	3. SERIAL NUMBER	4. ACCEPTANCE DATE

DATE A	REMARKS B	ORGANIZATION C

AFTO FORM 95 FEB 55 PREVIOUS EDITION WILL BE USED.

AIRCRAFT MISSION DESIGN SERIES	SERIAL NUMBER	ORGANIZATION	LOCATION

AIRCRAFT DATA RECORD

DATE	NEXT HPO MINOR. PH. MAJ. OR PE DUE AT	DATE	NEXT HPO MINOR. PH. MAJ. OR PE DUE AT	DATE	NEXT HPO MINOR. PH. MAJ. OR PE DUE AT	DATE	NEXT HPO MINOR. PH. MAJ. OR PE DUE AT	DATE	NEXT HPO MINOR. PH. MAJ. OR PE DUE AT

AFTO FORM MAY 72 100 PREVIOUS EDITION WILL BE USED.

AFLC-WPAFB-JUN 72 161M

DATE SIGNAL	FOR AIRCRAFT. INDEX BY TYPE. MODEL. SERIES & SERIAL NO. FOR ACCESSORIES. INDEX BY NOMENCLATURE AND TYPE.	FOR AIRCRAFT. SET SIGNAL TO HOURS NEAREST ACCUMULATED TIME. FOR ACCESSORIES. SET SIGNAL TO HOURS NEAREST TO REPLACEMENT DUE TIME.

NOMENCLATURE AND TYPE	LOCATION	REPLACEMENT INTERVAL	AIRCRAFT TYPE	AIRCRAFT SERIAL NO.

ACCESSORY REPLACEMENT RECORD

LINE NO.	DATE	SERIAL NO.	PREVIOUS OPERATING TIME	INSTALLED AT	REPLACEMENT DUE AT	REMOVED AT	TIME ACCUMULATED	TOTAL OPERATING TIME
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								

AFTO FORM NOV 72 100A PREVIOUS EDITION WILL BE USED.

AFLC-WPAFB-MAR 74 315M

DATE SIGNAL	FOR AIRCRAFT, INDEX BY TYPE, MODEL, SERIES & SERIAL NO. FOR ACCESSORIES, INDEX BY NOMENCLATURE AND TYPE.	FOR AIRCRAFT, SET SIGNAL TO HOURS NEAREST ACCUMULATED TIME. FOR ACCESSORIES, SET SIGNAL TO HOURS NEAREST TO REPLACEMENT DUE TIME.

MUNITION INSPECTION DOCUMENT

1. IOS CONTROL NUMBER	2. LOCATION	3. TYPE INSPECTION
4. FEDERAL STOCK NO. AND DODIC	5. LOT/SERIAL NUMBER	☐ ANNUAL ☐ RECEIVING
6. NOMENCLATURE		☐ PERIODIC ☐ SHIPPING
7. QUANTITY IN LOT	8. QUANTITY INSPECTED (Sample)	☐ PREISSUE ☐ SPECIAL

TECHNICAL DATA

9. TO REFERENCE(S)	10. Q/D CLASS	11. COMPATIBILITY GP	12. CHEMICAL GP
13. SHELF LIFE/DATE OF EXPIRATION	14. SERVICE LIFE/DATE OF EXPIRATION		
15. EXPLOSIVE CLASS	16. DOT MARKINGS		
17. PART NUMBER	18. WEIGHT	19. CUBE	20. COND CODE

AMMUNITION DATA

21. TYPE OF PACK	
22. CONDITION OF PACK	
23. MANUFACTURER	24. DATE OF MANUFACTURE
25. REQUISITION TRANSPORTATION CONTROL NO./VOUCHER NO.	

26. INSPECTION METHOD (Specify)	27. DEFECTS NOTED			28. REJECT LIMIT		29. RESULTS	
	CRITICAL	MAJOR	MINOR	MAJOR	MINOR	ACCEPT	REJECT

30. CONDITION CODE RESULTS						31. REQUIRED ACTION
QUANTITY	FROM	TO	QUANTITY	FROM	TO	
						☐ MAINTENANCE
						☐ AMMO DISP REQ
						☐ STORAGE

32. REMARKS (Continue on Reverse)

33. DATE INSPECTED	35. INSP'S STAMP	36. AFTO FORM 15		37. STOCK RECORD		38. TO CORRECT	
		DATE POSTED	INIT	DATE POSTED	INIT	JOB CONTROL NO.	AMMO DISP REQ NO
34. INSPECTOR'S NAME							

AFTO FORM JAN 74 102 AFLC-WPAFB-OCT 73 20

AIRCRAFT/MISSILE CONDITION REPORT	DATE	PAGE OF PAGES	REPORTS CONTROL SYMBOL
TO:	FROM: (Name, Orgnl Code, and Telephone)		

AIRCRAFT/MISSILE MDS	SERIAL NO.	SUBSTITUTE SER NO.	EST DEL DATE	FLYING HRS/CAL MON SINCE DEPOT MAINT	TOTAL FLYING HRS/ CALENDAR MONTHS

PART I - SPECIAL CONDITIONS

List specific areas of hidden corrosion, fuel tank leaks, temporary repairs, etc., which might not be detected and corrected during accomplishment of the work package. List only those discrepancies which require depot level maintenance. Do not list items included in the basic work package.

	ENGINE SER NO.	HRS SINCE NEW OR OVHL
1		
2		
3		
4		
5		
6		
7		
8		

PART II - SPECIAL INSTRUCTIONS(For SSM Use)

List maintenance requirement identified in Part I which the Specialized Repair Activity is authorized to accomplish.

SSM ACTION (Name, Orgnl Code, and Telephone)

AFTO FORM 103 APR 66 PREVIOUS EDITIONS WILL BE USED.

AFLC-WPAFB-SEP 69 1000M

INSPECTION MAINTENANCE FIRING DATA FOR GROUND WEAPONS	1. WEAPON			2. SERIAL NUMBER	3. MANUFACTURER
	TYPE	MODEL	SERIES		

4. WEAPON LOCATION	5. ORGANIZATION

PART I. RECORD OF INSPECTION

CONDITION[1] A	ACTION TO BE[2] TAKEN B	REMARKS C	INITIALS D	DATE OF INSPECTION E	CONDITION[1] A	ACTION TO BE[2] TAKEN B	REMARKS C	INITIALS D	DATE OF INSPECTION E

[1] *ALPHABETICAL CODE FOR CONDITIONS*

V - Satisfactory
U - Unserviceable
X - Adjustment Required
XX - Repair or Replacement Required
LP - Lightly Pitted Bore
BP - Badly Pitted Bore
UP - Unavo Pitted Bore
BU - Barrel or Tube Unserviceable due to Conditions other than Pitting

[2] *ALPHABETICAL CODE FOR ACTION TO BE TAKEN*

V - Continue in Service
A - Corrected at time of Inspection
B - To be Corrected by Using Organization
C - To be Corrected by Field Maintenance
D - Exchange for Serviceable Item
E - Ship as Instructed to Designate Establishment

AFTO FORM JUL 59 105

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

AFLC-WPAFB-OCT 71 2181M

OIL ANAYLSIS REQUEST			KEYPUNCH CODE
TO *(SOAP Lab)*			*1-3*
FROM MAJOR COMMAND			*4*
FROM ORGANIZATION	BASE		*5-8*
EQUIPMENT UNIT IDENTIFICATION			
UNIT TMS/PN	ACFT TMS		*9-11*
UNIT S/N	ACFT S/N		*12-15*
DATE SAMPLE TAKEN *(Day/Mo/Year)*			*16-20*
TOTAL TIME SINCE OVERHAUL/NEW *(Whole Hours)*			*21-24*
TOTAL TIME SINCE OIL CHANGE *(Whole Hours)*			*25-28*
REASON SAMPLE SUBMITTED ☐ ROUTINE ☐ OTHER *(Specify)*			*29*
SOAP LAB RECOMMENDATION			*30*

WEARMETAL CONCENTRATIONS *(PPM)*

Al *31-33*	Fe *34-37*	Cr *38-40*	Ag *41-43*	Cu *44-46*	Sn *47-49*	Mg *50-52*
Pb *53-55*	Ti *56-58*					

REMARKS	
ACTION TAKEN	*76*
DISCREPANT COMPONENT	*77-78*
HOW MALFUNCTIONED	*79*
HOW DISCOVERED ☐ AIR OR GROUND CREW ☐ SOAP	*80*
SAMPLE TAKEN BY *(Signature)*	BASE SAMPLE NO

WPAFB-OCT 74 300M

AFTO FORM FEB 70 119 PREVIOUS EDITIONS ARE OBSOLETE.

UNIT MODEL	UNIT SERIAL	ACFT MODEL	ACFT SERIAL	BASE	TYPE OIL SAMPLING INTERVAL NUMBER OF OVERHAULS LAST ERA

BASE SAMPLE NO	LAB TEST NO	CODE	DATE SAMPLE TAKEN	DAYS IN ROUTE	HOURS SINCE O/H	HOURS SINCE O/C	SPECIAL INFORMATION	Al	Fe	Cr	Ag	Cu	Sn	Mg	Pb	Ni	Si	LAB REQUEST

REMARKS:

AFTO FORM FEB 68 119A PREVIOUS EDITION OF THIS FORM MAY BE USED. **OIL ANALYSIS RECORD**

AF, MBW, Inc., New Carlisle, Ohio 9-71 22084

ELECTRON TUBE FIELD LIFE RECORD

1. TO:	2. COMMAND	3. SUBCOMMAND	4. INTER COMD	5. REPT. ORG.	6. EQUIP TMS	7. TUBE TYPE

8. SERIAL NUMBER	9. MFR/REPAIRER	10. DT. FIRST INSTL. / /	11. DT. OF FINAL FAIL / /	12. SHELF TIME (MOS)	13. FIL. HRS. (TOTAL)	14. HIGH VOLTAGE HRS. (TOTAL)	15. RADIATE HOURS (TOTAL)	16. TOT. RAD. HRS. BELOW 90%

17. SYMPTOMS	18. REJECT CRITERIA	19. ASSOC. FAC.	20. CORR. ACTION	21. WARRANTY ACTION	22. REPL. TUBE S/N	23. REPORT NO.	24.	25.	26.

INSTALLATION HISTORY

DATE INSTALLED A.	EQUIPMENT SERIAL NO. B.	CHANNEL C.	SOCKET D.	DATE REMOVED/ FAILED E.	FILAMENT HRS. EA. INSTL. F.	HIGH VOLTAGE HRS. EA. INSTL. G.	RADIATE HOURS EACH INSTALLATION H.	RADIATE HOURS BELOW 90% I.	REASON FOR REMOVAL J.	SUPERVISOR'S SIGNATURE K.

27. REMARKS

28. SIGNATURE AND GRADE OF REPORTING INDIV.	29. DATE	32. FROM (REPORTING UNITS COMPLETE ADDRESS)
30. SIGNATURE AND GRADE OF CEM. MAINT. SUPVR.	31. DATE	

AFTO FORM OCT 70 120 PREVIOUS EDITION WILL BE USED.

AFLC–WPAFB–APR 75 32M

1. REPORTING UNIT	2. COMMAND	3. QUARTER ENDING	PAGE _____ OF _____ PAGES	REPORTS CONTROL SYMBOL
4. TO		5. FROM (REPORTING UNITS COMPLETE ADDRESS)		

TUBE TYPE (PART NUMBER) A	TUBE SERIAL NUMBER B	DATE LAST INSTALLED C	DATE LAST REMOVED/FAILED D	TOTAL FILAMENT HOURS TO DATE E	TOTAL RADIATE HOURS TO DATE F	EQUIPMENT SERIAL NUMBER G	CHANNEL H	SOCKET I	AFTO 120 NUMBER REPORT J	REMARKS K

SIGNATURE OF WORKCENTER SUPERVISOR	DATE

AFTO FORM JAN 73 120A PREVIOUS EDITION WILL BE USED. ELECTRON TUBE PREFORMANCE AND STATUS REPORT AFLC–WPAFB–OCT 73 35M

TECHNICAL ORDER REVIEW COMMENT SHEET		PAGE OF
T.O. NUMBER	TITLE	
NAME OF REVIEWER	ORGANIZATION	TELEPHONE

PAGE NO.	PARAGRAPH OR FIGURE NO.	COMMENTS

AFTO FORM OCT 69 158

AFLC-WPAFB-APR 75 30M

STATUS AND OPERATIONAL RECORD

PAGE OF PAGES

1. DATE FROM TO	2. NOMENCLATURE	3. WORK UNIT CODE SYS SUBSYS COMP	4. EQUIPMENT PART NO. OR TMS	5. EQUIPMENT SERIAL NO.
6. TYPE/MODEL/SERIES	7. SERIAL NO.	8. ORGANIZATION	9. COMMAND	10. BASE

11. STATUS						12. INSPECTION SCHEDULE		
SYM	SYS	DATE	TIME	BOX NO.	EXCEPTIONAL RELEASE	TYPE	DATE OR TIME DUE	COMPLETED BY SIGNATURE AND DATE
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								

AFTO FORM JUL 61 207 PREVIOUS EDITIONS OF THIS FORM MAY BE USED

AF-WP-O-JUL 62 700 M

MAINTENANCE LOG	A. LF/LCF/COMPLEX	B. SYSTEM	C. DATE FROM	C. DATE TO	D. PAGE NO.

T.O.

1. JCN	6. DISCREPANCY	7. CORRECTIVE ACTION		
2. SYMBOL				
3. WHEN DISCOV.				
4. DISCOV. BY				
5. SUPPLY DOC. NO.		8. DATE CORR.	9. CORR. BY	10. TAG NO.
1. JCN	6. DISCREPANCY	7. CORRECTIVE ACTION		
2. SYMBOL				
3. WHEN DISCOV.				
4. DISCOV. BY				
5. SUPPLY DOC. NO.		8. DATE CORR.	9. CORR. BY	10. TAG NO.
1. JCN	6. DISCREPANCY	7. CORRECTIVE ACTION		
2. SYMBOL				
3. WHEN DISCOV.				
4. DISCOV. BY				
5. SUPPLY DOC. NO.		8. DATE CORR.	9. CORR. BY	10. TAG NO.
1. JCN	6. DISCREPANCY	7. CORRECTIVE ACTION		
2. SYMBOL				
3. WHEN DISCOV.				
4. DISCOV. BY				
5. SUPPLY DOC. NO.		8. DATE CORR.	9. CORR. BY	10. TAG NO.
1. JCN	6. DISCREPANCY	7. CORRECTIVE ACTION		
2. SYMBOL				
3. WHEN DISCOV.				
4. DISCOV. BY				
5. SUPPLY DOC. NO.		8. DATE CORR.	9. CORR. BY	10. TAG NO.
1. JCN	6. DISCREPANCY	7. CORRECTIVE ACTION		
2. SYMBOL				
3. WHEN DISCOV.				
4. DISCOV. BY				
5. SUPPLY DOC. NO.		8. DATE CORR.	9. CORR. BY	10. TAG NO.

AFTO FORM DEC 68 209 PREVIOUS EDITIONS ARE OBSOLETE AFLC–WPAFB–MAY 72 200M

TIME CHANGE REQUIREMENTS FORECAST

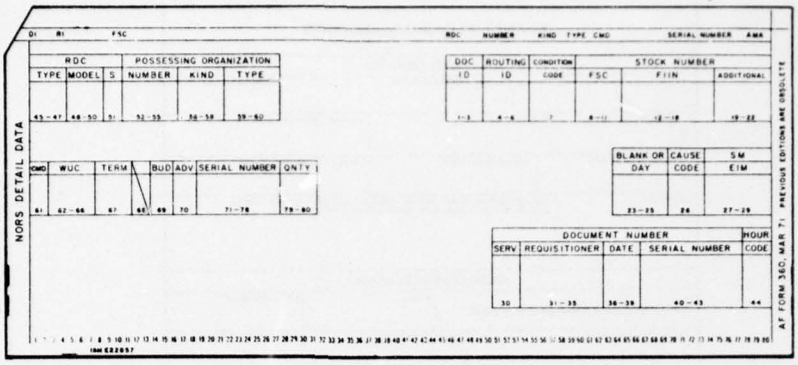
1. LOCATION	2. ORGANIZATION	3. DATE DAY / MO / YR	REPORTS CONTROL SYMBOL
		/ /	

4. MAINTENANCE INFORMATION				5. SUPPLY INFORMATION				
STOCK NUMBER A	NOUN B	C. REQUIREMENTS QUANTITY BY YEAR AND QUARTER	TOTAL D	ASSETS ON HAND E	ASSETS DUE IN F	AGE LIMIT FROM DATE OF MFG G	OLDEST ITEM QNTY H	EXPIRATION DATE I

AFTO FORM JUL 67 223

REPLACES AFTO FORM 223, OCT 66, WHICH IS OBSOLETE.

AFLC-WPAFB-MAY 73 85M



PAGE

DATE FROM	TO	CREW CHIEF	ORGN	LOCATION	MDS	SERIAL NUMBER

INSPECTION ITEM	FREQUENCY	NEXT DUE	NEXT DUE	NEXT DUE	NEXT DUE	NEXT DUE	NEXT DUE

RECORD OF CANNIBALIZATION

MATERIEL CONTROL

NOUN	STOCK NUMBER	WORK UNIT CODE

F O R M/D/S	SERIAL NUMBER	OWNING ORGANIZATION

DATE/HOUR REQUIRED	PART REQUESTED BY	SUPPLY DOCUMENT NUMBER

DATE/TIME	THE REQUIRED PART WILL NOT BE AVAILABLE ON TIME. CANNIBALIZATION RECOMMENDED. *(Signature — Materiel Control Officer)*

MAINTENANCE CONTROL

RECOMMEND CANNIBALIZE FROM	M/D/S	SERIAL NUMBER

OWNING ORGANIZATION	TIME CHANGE ITEM SER. NO.	PREV. OPER. HOURS

EST. HOURS REQUIRED FOR	MAN HOURS	CLOCK HOURS	OPER. HOURS TO GO
REMOVE AND REPLACE			
REINSTALLATION			

DATE/TIME	SIGNATURE MAINTENANCE CONTROL OFFICER

DATE/TIME	RECOMMENDED CANNIBALIZATION IS AUTHORIZED. *(Signature — Chief of Maintenance)*

RECORD OF CANNIBALIZATION ACTION

(Action Personnel Sign in Respective Spots Below)

BY	REMOVE AND REPLACE	DATE	INSTALLATION	DATE
MECHANIC OR SPECIALIST				
MAINTENANCE CONTROL				
RECORDS				
MATERIEL SECTION				

AF FORM NOV 67 991 PREVIOUS EDITION WILL BE USED ☆GPO: 1973 —494 - 919

1. TYPE EQUIPMENT	2. JOB DESCRIPTION		3. WORKCENTER
4. WUC	5. JOB HOURS	6. CLOCKHOURS	7. DATE OF STANDARD
8. TEAM SIZE	9. AFSC REQUIREMENTS		
10. SCOPE OF JOB		11. SPECIAL TOOLS AND EQUIPMENT REQUIRED	

AF FORM JUN 72 2400 JOB STANDARD GPO: 1972 O - 468-481

EQUIPMENT UTILIZATION AND MAINTENANCE SCHEDULE

1. EQUIPMENT DESIGNATION | 2. UNIT | 3. PERIOD | 4. PAGE OF PAGES

5. TASK OR EQUIPMENT IDENTIFICATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

WEEKLY AIRCRAFT UTILIZATION/MAINTENANCE SCHEDULE

UNIT	FOR DAY OF	FOR WEEK OF	PAGE OF PAGES

	SYSTEM REQUIREMENTS (Enter as locally required)	MAINTENANCE FLOW PLAN 02 04 06 08 10 12 14 16 18 20 22
ACFT NO		
TAKEOFF		REMARKS
LANDING		
ACFT NO		
TAKEOFF		REMARKS
LANDING		
ACFT NO		
TAKEOFF		REMARKS
LANDING		
ACFT NO		
TAKEOFF		REMARKS
LANDING		
ACFT NO		
TAKEOFF		REMARKS
LANDING		
ACFT NO		
TAKEOFF		REMARKS
LANDING		

LEGEND

AV	AVIONICS MAINT	F	FLYING	P	PAINT	TCTO	TIME COMPLIANCE TECH ORDER
BPO	BASIC POSTFLIGHT	FCF	FUNCTIONAL CK FLT	PDM	PROGRAMMED DEPOT MAINT	USM	UNSCHEDULED MAINT
CC	CORROSION CONTROL	HSC	HOME STATION CHECK	PE	PERIODIC INSP	WA	WASH
D	DEPLOYED	MA	MAJOR INSP	PH	PHASE	WLT	WPNS LOAD TNG
DR	DOCUMENTS REVIEW	MD	MODIFICATION	PR	PREFLIGHT		
EC	ENGINE CHANGE	MI	MINOR INSP	SI	SPECIAL INSP		

OTHER

AF FORM JUN 72 2403

AFSC-AAFB-WASH., D.C. 1972

MAINTENANCE PREPLAN	LOCATION	DATE
SECTION		EQUIPMENT SERIAL NUMBER
NEXT SCHEDULED USE DATE	TYPE MISSION/ACTIVITY	MDS
SIGNATURE OF ORIGINATOR	SIGNATURE OF SUPERVISOR	

SPECIALIST	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

AGE	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

AF FORM JUN 72 2406

INSPECTION/TCTO PLANNING CHECKSHEET

1. DATE PREPARED									
2. UNIT	3. ACTIVITY	4. FLIGHT/SECTION							
5. AIRCRAFT MDS	5. AIRCRAFT SERIAL NUMBER	6. INSPECTION NUMBER ☐ CALENDAR ☐ TIME	7. DOCK NUMBER	8. START TIME/DATE	9. DATE PREPLAN MEETING SCHEDULED				

10. ACFT TIME AT INSP	11. ACFT LAST INSP	12.	ENGINE TIME								13. DATE DUEOUT OF INSP
			NO 1	NO 2	NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	
A. ESTIMATED	A. TIME	A. ESTIMATED									
B. ACTUAL	B. DATE	B. ACTUAL									

14. PREPLAN MEETING PARTICIPANTS AND DISCUSSION ITEMS

ACTIVITY	NAME	DISCUSSION ITEMS

15. ADDITIONAL SPECIALIST TASKS

SHOP	TASK

AF FORM JUN 72 2410

FLIGHT STATUS REGISTER

1. UNIT	2. PROGRAMMED DEPOT MAINTENANCE DUE DATE	3. NEXT INSP DUE	4. TIME ACCOMPLISHED

5. DATE	6. HOURS FLOWN	7. AIRFRAME HOURS	8. TODAY LOGS	8. TODAY FULL STOPS	9. TOTAL LOGS	9. TOTAL FULL STOPS	10. ENGINE DATA	1	2	3	4

11. AIRCRAFT SERIAL NUMBER	12. MDS	13. ENGINE SERIAL NUMBER	1	2	3	4

AF FORM APR 74 2412 PREVIOUS EDITION WILL BE USED.

PERSONNEL/CREW EVALUATION REPORT

1. UNIT	2. SHOP/BRANCH/CREW	3. TYPE EQUIPMENT	4. TYPE EVALUATION	5. DATE

6. LAST NAME – FIRST NAME – MIDDLE INITIAL	7. GRADE	8. DAFSC/PAFSC	9. RATING
A.			
B.			
C.			
D.			
E.			
F.			

10. EVALUATION PERFORMED	11. ERRORS							12. TOTAL ERRORS
	SAFETY/RELIABILITY A	TIME B	TECHNICAL DATA C	SYSTEM KNOWLEDGE D	EQUIPMENT E	PREPARATION F	OTHER G	

13. COMMENTS FOR BLOCK 11 (If necessary continue on reverse)

DATE	NAME AND GRADE OF EVALUATOR	SIGNATURE

AF FORM APR 74 2416 PREVIOUS EDITION WILL BE USED.

TECHNICAL INSPECTION POINTS COMPUTATION

1. DATE	2. PAGE OF PAGES

3. UNIT	4. TOTAL INSPECTIONS	5. TOTAL CHARGEABLE DISCREPANCIES A. MAJOR	B. MINOR	6. TOTAL POINTS EARNED	7. PERCENT OF POINTS EARNED	8. TECHNICAL INSPECTION RATING

9. TYPE INSPECTION BY EQUIPMENT	INSPECTION HARD FACTOR A	NUMBER INSPECTED B	APPLIED HARD FACTOR (A × B) = C	DISCREPANCIES D				HARD FACTOR DEDUCTION (4 × D.) + D = E	PERCENT OF POINTS EARNED (C - E) / C × 100 = F	POINTS ASSIGNED G	POINTS EARNED (F - G) / 100 = H	ADJECTIVE RATING J
				MAJOR		MINOR						
				Chargeable 1	Non-Chargeable 2	Chargeable 3	Non-Chargeable 4					

AF FORM APR 74 2417 PREVIOUS EDITION IS OBSOLETE.

PERSONNEL EVALUATION AND OVERALL MSEP POINTS COMPUTATION

DATE	PERIOD

UNIT	TECHNICAL INSPECTION TOTAL POINTS EARNED	PERSONNEL EVALUATION TOTAL POINTS EARNED	MSEP POINTS EARNED
	TECHNICAL INSPECTION RATING	PERSONNEL EVALUATION RATING	MSEP RATING

TYPE EVALUATIONS	A TOTAL PERSONNEL EVALUATIONS	B EVALUATIONS PASSED	C EVALUATIONS FAILED	D PASSING PERCENTAGE (B ÷ A) × 100 =	E POINTS ASSIGNED	F POINTS EARNED OR LOST (D × E) = 100	G ADJECTIVE RATING
TASK EVALUATION							
COMPLETED MAINTENANCE ACTION (CMA)							
COMPLETED MAINTENANCE INSPECTION (CMI)							
COMPLETED SUPERVISORY INSPECTION (CSI)							
SUPERVISORY EVALUATION (SE)							
SUBTOTAL							
DETECTED SAFETY VIOLATIONS (DSV)						—	
TOTALS							

REMARKS

AF FORM JUN 72 2418

1. ACTIVITY/WORKCENTER	2. EQUIPMENT	3. SERIAL NO.	4. INSPECTOR	5. DATE	6. PAGE OF PAGES

7. NO.	8. DISCREPANCY	9. CATEGORY A. MAJOR	9. CATEGORY B. MINOR	10. NO.	11. CORRECTIVE ACTION AND REMARKS

AF FORM APR 74 2420 PREVIOUS EDITION WILL BE USED.

QUALITY CONTROL INSPECTION SUMMARY

MAINTENANCE ANALYSIS REFERRAL

REFERRAL NUMBER	DATE OF REFERRAL	DATE ACTION COMPLETED

PROBLEM

BACKGROUND

SIGNATURE OF PRODUCTION/DEFICIENCY ANALYST	SIGNATURE OF PRODUCTION ANALYSIS/QUALITY CONTROL SUPERVISOR	NO OF ATTACHMENTS

TO	DATE

RESULTS OF INVESTIGATION

RECOMMENDED CORRECTIVE ACTION

SIGNATURE OF DEFICIENCY ANALYST	SIGNATURE OF QUALITY CONTROL SUPERVISOR	DATE	NO OF ATTACHMENTS

AF FORM JUN 72 2422

U.S. GOVERNMENT PRINTING OFFICE 1968—16—81507-1 468-880

TECHNICAL ORDER IMPROVEMENT OR UNSATISFACTORY MATERIEL REPORTS LOG

CONTROL OR TRANSACTION NUMBER	DATE SUBMITTED	TECH ORDER AND PARA NO OR UMR REFERENCE	SUBJECT	SUBMITTED TO	SUSPENSE DATE	FOLLOWUP ACTION/DATE	EXHIBIT		REMARKS/DISPOSITION
							YES	NO	

AF FORM JUN 72 2423

4-3B-28

* U. S. GOVERNMENT PRINTING OFFICE : 1972 O - 488-988

MAINTENANCE TRAINING DOCUMENT

NAME (Last, first, middle initial)	GRADE	SSAN	AFSC	WORKCENTER	DATE ASSIGNED	ETS

EVALUATIONS			QUALIFICATION TRAINING		AGE QUALIFICATIONS		SPECIAL QUALIFICATIONS		TESTS		
TYPE	DATE		TYPE	DATE COMPLETED	TYPE	DATE QUALIFIED	TYPE	DATE	TYPE	DATE	SCORE
	COMPLETED	DUE									

AF FORM JUN 72 2424

AEROSPACE GROUND EQUIPMENT STATUS								DATE	PAGE OF PAGES
TYPE EQUIPMENT	NUMBER ASSIGNED	IN COMMIS-SION	OUT OF COMMISSION			DE-PLOYED	STORED	REMARKS	
			INSP	MAINT	PARTS				

LOAD TRAINING AND CERTIFICATION DOCUMENT

1. NAME (Last, first, middle initial)	2. GRADE	3. AFSC	4. ORGANIZATION	5. AIRCRAFT	6. CREW NUMBER/POSITION

7. MUNITION/TASK/ LOAD CONDITION	8. DATE CERTIFIED	9. DATE DECERTIFIED	10. REASON FOR DECERTIFICATION	11. SIGNATURE AND GRADE OF CERTIFYING OFFICIAL

WEEKLY/DAILY AIRCRAFT UTILIZATION SCHEDULE

1. UNIT	2. MDS	3. DAY/DATE	4. PAGE ..... OF ..... PAGES

5. SERIAL NUMBER	6. MISSION	7. CONFIG	8. FUEL	9. SCHEDULE TAKEOFF TIME	10. SCHEDULE LANDING TIME	11. PILOT	12. REMARKS

AF FORM APT 74 2436

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974—731-187/540 3-1

4-3B-32

SHOP WORKLOAD SUMMARY

1. SHOP	2. IN WORK HOURS/UNITS	3. BACKLOG AWM HOURS/UNITS	4. HOURS REQUIRED IN SHOP IN NEXT 24 HOURS	5. REMARKS

AF FORM APR 74 2443

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974—731-203/545 3-1

PERSONNEL EVALUATION REPORT – CEM

PAGE OF PAGES

1. NAME (Last, First, MI)	2. GRADE	3. DAFSC	4. EVALUATION DUE DATE

5. UNIT	6. WORKCENTER	7. TYPE EVALUATION

8. PREPARATION — POST PERFORMANCE COMMENTS

9. STS/JPG NUMBER/DATES	10. DATE OF EVALUATION	11. TRAINER(S)

12. TASK NUMBER, DESCRIPTION AND TYPE EQUIPMENT, EVALUATORS COMMENTS	13. RESULTS	14. EVALUATOR

15. SIGNATURE, GRADE AND ORGANIZATION OF EVALUATOR(S) AND DATE	16. SIGNATURE AND GRADE OF QUALITY CONTROL SUPERVISOR AND DATE
A.	
B.	

AF FORM JUN 72 2448

APPENDIX 4-4A

AFTO FORM 349 EDITS

Block 1: JCN – First there must be 001-366; 4th cannot be "I" or "O"; last four must be alphanumeric.

Block 2: Workcenter – First position must match the Chief of Maintenance code in a valid MDC Organization Master Card; 2nd – 4th position must match T.O. 00-20-2 table (where specified); 5th must be alphanumeric.

Block 3: ID/Serial Number – First position must match valid Chief of Maintenance code; 2nd position must match valid equipment class (1st position); last four must be alphanumeric. Serial Number must be eight numeric unless equipment class is AHX or A69, then serial number may be alphanumeric. Master ID number must match table entry.

Block 4: MDS – Must be blank when ID is used. Mission-design-series for aircraft; JETD Nomenclature for C-E-M; or Work Unit code for AGE on-equipment transactions. MDS and JETD nomenclature must match format in MDC Master Tables & Codes for each equipment classification code. Must be blank for all other record types (2 through 7 records).

Block 5: Equipment Classification Code (EQ/CL). Must contain a valid EQ/CL when no master ID is entered in block 3. Edit based on MDC Master Tables & Codes.

Block 6: Time – May be blank, else must contain five numeric. Type 1 record only.

Block 8: Sortie – May be blank or must contain three numeric. Type 1 record only.

Block 10/12: Engine Time – Type 7 record. Must contain five numeric for engine installation/removal record. EQ/CL-1 must be "A" or "N".

Block 11/13: Engine ID – Must contain a valid engine ID number for engine removal/installation action (Type 7 record). EQ/CL-1 must be "A" or "N".

Block 19: Federal Supply Classification. Type 3, 5, 6, record. Must be numeric, cannot be zeroes.

Block 20: Part Number – Type 3, 5, 6 record. Must be alphanumeric, slashes and dashes may be between numerics only. No imbedded spaces permitted.

Block 21: Serial Number – Type 3, 6 record. Ten position alphanumeric, prefix with zeroes.

Block 22: Tag No. – Must be three numeric or blank. Must be three numeric for type 5, 6, 7 record.

Block 23/24: Same as above (for Type 6 record, install only).

Block 25: Operating Time – Five position numeric for type 6 record, install only.

Column A: Type Maintenance

(1) All records – If eq/cl = "P", by pass TM table, edits for alphanumeric.

(2) If EQ/CL-1 = B, C, E, F, J, K, L, Q, U, T-9, TM must be A, B, D, F, H, J, P, R, S, T, K or Z.

(3) If EQ/CL-1 = X, TM must be A, B, C, D, E, H, K, L, Q, R, S, T, W, Y, Z.

(4) If EQ/CL-1 = H, TM must be B, J, S, T, Z.

(5) If EQ/CL-1 = Y, TM must be A, B, J, R, S, T, Z.

(6) If EQ/CL-1 = S, TM must be A, C, J, R, S, T, P, Q, W, Z.

(7) If EQ/CL-1 = N, TM must be A, B, C, D, E, J, P, R, S, T, Z.

(8) If EQ/CL = TRA, TRB, TRC, or TRD, TM must be A, B, D, J, P, R, S, T, Z.

(9) If EQ/CL = TX- or TZ-, TM must be A, B, C, D, E, J, H, M, P, O, R, S, T, Y, Z.

(10) If EQ/CL = TR - (not TRA, TRB, TRC, TRD), TM must be A, B, C, D, F, J, P, R, S, T, Z.

(11) If EQ/CL-1 = A, TM must be A, B, C, D, E, H, J, M, P, Q, R, S, T, Y, Z.

(12) If EQ/CL-1 = M or R, TM must be A, B, C, D, F, J, P, R, S, T, Z.

(13) If EQ/CL = GA-, TM must be A, B, D, J, P, Q, R, S, T, Z.

(14) If EQ/CL-1-2 = G- (Not GA-) TM must be A, B, C, D, E, F, J, M, P, R, S, T, Z.

Any other EQ/CL and TM combination is an error.

Column B: Component Position. Must be blank or numeric. Must be 1-9 for on-aircraft record when system code is 21, 22, or 23, and must be 1-9 for type 7 record (engine).

Column C: Work Unit Code – First two positions may be 01-09 or:

(1) If 04 – Type Maint. must be "S", "Y".

(2) If EQ/CL-1 = A, M, N or P, and TM is not "T" or "Z", then first two positions must be numeric.

(3) If EQ/CL is XAD, XAF, XAH, XBJ, XBK, XD2, XD3, XD4, XD5 then first two of WUC must be alpha.

(4) If EQ/CL-1 = X (not including above) then first two of WUC must be numeric.

(5) If EQ/CL = TZ- or TX-, first two of WUC must be numeric.

(6) If EQ/CL-1 = T (not TX, TZ) then first two of WUC must be alpha.

(7) If EQ/CL = QNS, then first two of WUC must be numeric.

(8) If EQ/CL-1 = F, then first two of WUC must be numeric.

(9) If EQ/CL-1 = S, then WUC 1 - 3 must be "ZZ9".

(10) If EQ/CL-1 = B, C, E, F, J, K, L, Q, U, 1-9, then first two of WUC must be alpha.

(11) If TM = T or Z then first position of WUC must be alpha numeric, all other positions must be numeric.

(12) Last three of WUC must be alphanumeric, all records.

Column D: Action Taken –

(1) Type 1, 2, 3, record. If WUC 1-2 = 01-09 and TM not T or Z, AT must be blank.

(2) Type 3 record. If EQ/CL-1 = H or (G and Category of Equipment = 1, 2, 3, 4) AT must be A, B, C, D, F, G, K, L, M, N, V, S, Z or 1-9.

(3) Type 3 record – If EQ/CL-1 = G and Non-ID format, AT must be the same as (2) above.

(4) Type 2 record – AT must be A, 1-9, or (X and how mal 804).

(5) Type 3 (all other) AT must be same as (2) above, cannot be E, H, P, O, R, S, T U, Y.

(6) Type 1 record – AT must be E, F, G, H, J, K, L, P, Q, R, S, T, U, V, X, Y, Z.

Column E: When discovered – Type 1, 2, 3 record

(1) If WUC1-2 = 01-09, WD must be blank.

(2) If EQ/CL1 = P, by pass WD tables.

(3) If TM = "T" or "Z" bypass WD tables.

(4) If EQ/CL-1 = A, N, S or X, WD Table 1.

(5) If EQ/CL-1 = M or R, WD Table 2.

(6) If EQ/CL-1 = H, WD Table 3.

(7) If EQ/CL-1 = Y, WD Table 4.

(8) If EQ/CL-1 = B, C, E, F, J, K, L, Q, U, 1-9, WD Table 5.

(9) If EQ/CL = TR-, WD Table 3.

(10) If EQ/CL-1 = T (Not TR-) WD Table 1.

(11) If EQ/CL-1 = G and EQ/CL-2-3 = numeric, WD Table 3.

(12) If EQ/CL-1 = G, and EQ/CL-2 = Y, WD Table 4.

(13) If EQ/CL-1 = G and EQ/CL-2 = M, WD Table 2.

(14) If EQ/CL = GAA thru GG1, or GG3, GG4, GG6, GG7, GG9, GGJ, WD Table 1.

WD Table 1 = ABDEFGHJKLMNPQRSTUVWXYZ2345.

WD Table 2 = ABCDEFGHJLMNPQRSTUVWXYZ.

WD Table 3 = CDFJLMPQRSTUVWXYZ.

WD Table 4 = ABCDEFGHJKLMNPQRSTUVWXY.

WD Table 5 = CDFHJLPQRSTUVWYZ.

Column F: How Malfunction. Code must be contained in MDC Master Tables and Codes. Also:

(1) Type 6 record (RE): HM cannot be 793, 797, 798, 801, 802, 911. If TM = "T" or "Z", HM must be 804.

(2) Type 5 record: TM cannot be "T" or "Z". HM cannot be 793, 797, 798, 799, 800, 801, 802, 805, 911 or 948.

(3) Type 1, 2, 3, Record: HM cannot be 793, 797, 798, 801, 802, 804 or 911.

Column G: Units – Must be 00-99. Also:

(1) Type 1, 2 Record. Must be "01" when start-stop time is "0000" and crew size is "0".

(2) Type 1 Record. Units must be "01" when HM = "801", "00", when HM = 802, 793, 797, 798, 911.

(3) Type 3 Record. Units must be "00" when HM is 802, 793, 797, 798, 911 and "01-99" when HM = 801.

(4) Type 2 Record. Units must be "01".

Column H/I: Start/Stop Times:

(1) Total elapsed clock hours cannot exceed eight hours when crew size is 1-9.

(2) Hour must be 00-24.

(3) Minutes must be 00-55.

(4) Day must be 001-366 and cannot exceed processing day. A special proviso is included in the program for processing December data during January.

Column J: Crew Size. Must be 0-9. Also:

(1) Must be "0" when HM = 793, 797, 798, 802, 911.

(2) Must be "0" on type 2 record.

(3) Must be "0" when start/stop hour is "0000" (Package credit).

Column K, Category of Labor: Must be 1-6 on all type 1-4 records.

Column L, Command/Activity Identifier Code:

(1) May be blank or alpha-numeric when block 3 contains a master ID.

(2) Must be valid two-position command code, when no ID is used in block 3.

Column M, Scheduling Code:

(1) Must be "X" when Master ID category of equipment is 1-5 and AT = J or K and Units = "01".

(2) May be "X" when master ID category of equipment is 1-5 and units is "01".

(3) Must be blank for all other transactions.

Block 29 (Reverse):

(1) FSC, Part Number edit same as block 19-20.

(2) Reference Symbol may be blank or alphanumeric.

(3) How Malfunction Code – Must be valid from table.

(4) Quantity: Must be 01-99.

(5) Work Unit Code: May be blank when block 3 contains aircraft, engine, missile ID. Otherwise must meet same WUC edits as Column C.

Other Compatibility Edits:

(1) Type 3 Record – If AT = A, F, G, K, L, M, N, V, Z, How Mal cannot be 242, 374, 796, 800, 804, 805.

(2) Type 3 Record – If AT = B, J, X, HM must be 799, 804, 805, 812, 948.

(3) Type 1 Record – If AT = T or U, HM must be 799.

(4) Type 1 Record – If AT = S, HM must be 800, 804, 805.

(5) Type 1 Record – If AT = H, HM, must be 799, 812, 948.

(6) Type 1 Record – If AT = Y, HM cannot be 799.

(7) Type 1 Record – If HM = 796, EQ/CL-1 must be "M".

Type 4 (Indirect) Record.

(1) Blocks 1, 2, H, I, J, K same as other records.

(2) Block 3 must be "-INDLB".

(3) Column C – Must be "ALT" "CMP" "DTL" "LVE" or "TRN" first three of WUC. Last two must be 00-99.

(4) Column L – May be blank or alphanumeric.

APPENDIX 4-5A

OUTPUT PRODUCTS (G001B). MAINTENANCE
DATA COLLECTION SYSTEM

Reproduced in this appendix is Chapter 5 of AFM 66-267, Maintenance Data Collection System, 1 July 1975. The reproduced material provides a complete description and samples of the output products of the MDC system.

Chapter 5

MAINTENANCE DATA OUTPUT PRODUCTS

5-1. INTRODUCTION. This chapter outlines the various output products received from the MDC System. It describes the format and use of these products and, where appropriate, gives the minimum distribution instructions.

5-2. GENERAL. The daily transaction listing, the on- and off-equipment performance hi-lite listings, and the hi-25 on-equipment failures and man-hour consuming jobs listings are produced automatically. The use of all other products described in this chapter is optional for each chief of maintenance. When a tenant unit desires to use any of the products, the host unit will furnish the requested support. A host unit's requirement for use of these products will have no bearing on the use of the products by tenant units. Production analysis will determine the distribution of the products other than as described herein, and furnish the administration activity current distribution instructions by PCN or product title. The chief of maintenance staff activities must receive sufficient copies of the products to accomplish their tasks. When additional copies are desired, coordination will be accomplished between the production analysis activity and Data Automation. Production analysis must insure developing trends are identified to the appropriate maintenance managers, either through the monthly products, BLIS, or a locally devised system. Particular care must be exercised to detect and correct recurring discrepancies. When repeated malfunctions are noted on a particular system or item of equipment, the applicable workcenter supervisor must be notified so that he can initiate or take corrective action.

a. In all products illustrated in this chapter, sub-minor totals are shown by a single asterisk (*); minor totals by double asterisk (**); intermediate totals by triple asterisk (***); and major totals by four or five asterisks. Not all products use all five total levels. To decrease unnecessary entries and still maintain readable reports, duplication in the various columns is eliminated where possible. In these cases, blank spaces will be considered duplicates of the entry in the preceding line. Although part numbers are recorded in blocks 20 and 23 of the AFTO Form 349 as they appear on the data plate of the item, they do not appear on any MDC output product as recorded because all special characters (dashes and slashes) between alphanumeric characters are removed during keypunch. This is accomplished to insure that 15 usable characters of a part number are available for the material deficiency data RCS: LOG-MMO(AR)7142.

b. Examples depicting typical data for aircraft, AGE, and CEM equipment coding are listed; however, formats, totals, and reading techniques are the same for all maintenance areas discussed in this manual. These examples show the format and actual reports with the exception of some grand total lines.

c. The following list explains terms and abbreviations used in the products:

(1) TERMS:

(a) EQUIPMENT CLASSIFICATION (EQCL OR EQUIPMENT CLASS) CODE. This is a three-position code. The first position identifies the category of equipment and the last two positions identify the type of equipment within a specific category (TO 00-20-2).

(b) TYPE MAINTENANCE (TM) CODE. This is a one-position code that denotes the type of work being performed (ADE MA-356-XI).

(c) SORTIE NUMBER (SORT NO.). A three-digit number locally assigned that may indicate the consecutive sorties of the month (for on-equipment use only) (ADE ID-180-XII).

(d) START HOUR. The hour of a day that an action started. Must be between 0005 and 2400 in increments of 5 minutes.

(e) STOP TIME (DAY/HOUR). The day and hour that an action was completed. The day must be between 001 and 366. The hour must be between 0005 and 2400 in increments of 5 minutes.

NOTE. To account for an entire inspection package, the start hour and stop hour must be 0000 with a crew size of Ø.

(f) CREW SIZE. The number of personnel that accomplished a specific action must be between Ø and 9.

(g) JOB CONTROL NUMBER (JCN). A unique seven-character number which serves to control work in progress, as well as to improve analysis capability. A detailed explanation of the JCN is outlined in TO 00-20-2 and AFM 66-1 (ADE ID-180-XII).

(h) TAG NUMBER. This number is the last three digits of the AFTO Form 350, Reparable Processing Tag, number. Detailed use of the number is outlined in 00-20-2 series technical orders (ADE ID-180-XII).

(i) ACTIVITY IDENTIFIER (AI). The AI is a locally developed two-digit code (alpha or numeric) to identify support of nonreporting workcenters, special activities, or projects. This code may not be duplicated between chief of maintenance complexes that have data processed on the same B3500. Thus, the host chief of maintenance must allocate codes for those chiefs of maintenance processing on the same computer (ADE ID-180-XII).

(j) RUN NUMBER. The run number is a two-digit sequential number beginning with 01 indicating the number of daily transaction listings produced during a monthly processing cycle. More than one listing may be prepared on a given day but would contain a different run number.

(k) END ITEM. As used in the MDC System, the end item is the mission, design, and series (MDS) of an aircraft or missile, the type, model, and series (TMS) of an engine, the joint electronic type designator (JETD) for CEM, the end item work unit code (WUC) for on-equipment AGE, trainers (43 series code manuals) munitions, and cryptologic equipment and the Federal Supply Classification (FSC) code for precision measurement equipment and AGE identified in TO 33K-1-100.

(l) END ITEM IDENTITY. As used in the MDC System, the end item identity is the end item and the part number registration number or serial number.

(m) CATEGORY OF LABOR. This code identifies the type of labor performed (regular or overtime) and the type of personnel performing the labor (military, civilian and so forth) (ADE CA-760-XI).

(n) NORS CODE. For PME and AGE identified in TO 33K-1-100, this code may be used to identify equipment subject to NORS (not operationally ready, supply) coding through supply. This data field may also be used (at major command option) for other equipment such as CEM status. When the NORS code is used, PME and specified AGE must use code "N", other equipment may use any alpha character.

(o) SCHEDULING CODE. This code ("X") entered in block M of the AFTO Form 349 indicates that the DLA scheduling record should be updated by the computer to the next date due. It is not applicable to DLD scheduling.

(p) DATA CLASS. The data class is a computer generated code which identifies the type of information contained on an individual record. It identifies records as on-equipment failure, TCTO, indirect labor, and so forth. See attachment 2 for specific codes. This code is used in the computer for sorting transaction listings and for selecting data for the "job" average/performance monitoring system. It may also be used in retrieval statements in the BLIS.

(q) RECORD IDENTIFICATION (ID). A computer generated code assigned to each transaction record. It identifies basic types of records for the AFLC RCS: LOG-MMO(AR)7142, for monthly report selection of sort/sequence, for applicability to the Maintenance Cost System, and as an aid in BLIS retrievals. These codes are shown in attachment 2.

(r) SIGNIFICANCE LEVEL. The annual frequency at which a job (units produced) must recur in order for it to be included in the performance monitoring system products. It is preset to 12 at implementation.

(2) ABBREVIATIONS:

AI	Activity identifier
ALC	Air Logistics Center
AT	Action taken
C	Category of equipment
CC	Command code
CL	Category of labor or last two positions of EQCL
CP	Component position
CS	Crew size
DC	Data class
DUE	Date due calibration or inspection
EMH	Estimated man-hours
EQCL	Three-position equipment classification code from TO 00-20-2
FRE	Frequency of calibration or inspection
FSC	Federal Supply Classification

HOW MAL	How malfunctioned code
ID	Record ID (formerly card ID)
ID NO	Equipment ID number
JCN	Job control number
N	NORS code
OWC	Owning workcenter
PCN	Product control number
PWC	Performing workcenter
REF TO	Reference technical order
SC	Scheduling code
SEQ NO	Sequence number
SRT NO	Sortie number
ST	Status code
TAG	AFTO Form 350 tag number
TM	Type maintenance code
UP	Units produced
WD	When discovered code
WUC	Work unit code

5-3. (Reserved)

5-4. MDC MASTER ID ERROR LISTING (PCN SGØØ1B121)(FIGURE 5-4), MDC MASTER ID ERROR CARDS (PCN SGØØ1B123). This listing depicts any master ID update transactions which did not pass the error edit. For each record on the listing, a punched/interpreted card is produced to facilitate correction and re-input.

a. DISTRIBUTION. The listing and cards will be distributed to the documentation section, or maintenance OPR, as designated locally. Production analysis may receive a copy of the listing, if desired locally.

b. USE. Documentation and/or the maintenance OPR will use this listing to identify and correct input errors. An error message is printed under each ID record for each error condition detected. Once the listing has been annotated with corrected data, it should be submitted to the keypunch activity, along with the matching prepunched cards. Keypunch will use these products to produce corrected master ID update cards.

c. RETENTION. Dispose of this listing after corrected cards have been created.

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5-5. MDC MASTER ID UPDATE LISTING (PCN SGØØ1B122)(FIGURE 5-5). This listing identifies all input master ID cards which passed the edits and indicates in the remarks column what action was taken against the master file.

a. DISTRIBUTION. The listing will be distributed to the documentation section and production analysis.

b. USE. The listing will be used to keep the master ID list current. It should be filed in the same binder with the master ID listings. The latest update listing should be filed on top. This listing is sequenced by chief of maintenance code, ID number, and WUC.

c. RETENTION. The listing should be retained until receipt of the next master ID listing after which it may be disposed of IAW AFM 12-50 if it is no longer needed for reference.

5-6. MDC MASTER ID REQUEST ERROR CARDS (PCN SGØØ1B132). This card is in the same format as PCN "131", however, some error was detected by the computer. The proper format should be checked and the card resubmitted by the documentation section.

5-7. MDC MASTER ID LISTING (PCNs SGØØ1B151-154)(FIGURES 5-6 THROUGH 5-9). This is a listing of the MDC master ID file. Four separate listings are available depending on the option entered on the MDC master ID list request card (chapter 4). The MDC master ID listings are by ID (151), by OWC (152), by end item (153), and by PWC (154).

a. DISTRIBUTION. The listing will be distributed to the documentation section and one copy by ID number to production analysis. Documentation will make further distribution as required.

b. USE. Documentation will use the listing by ID number as the master listing. Documentation will maintain it current either by using the master ID update listing or by annotating the master ID listing. No other listings must be maintained current. Where scheduling functions are decentralized such as for the PMEL or AGE, a master list by PWC (local option) may be maintained by individual shop schedulers for the equipment they schedule. If this option is exercised, documentation need not maintain ID listings for that equipment. Master ID listings by OWC and end item are provided for local use and may be used as deemed necessary.

NOTE. If it is determined that more than six copies of any listing are required, documentation should take action through base reproduction to have sufficient copies reproduced.

c. RETENTION. The listings should be retained until receipt of the next master ID listing after which they may be disposed of IAW AFM 12-50 if no longer needed for reference.

5-8. MDC EQUIPMENT SCHEDULE. The schedule is produced each time a schedule request card is submitted (chapter 4). The schedule is produced in two parts; part 1 by PWC and part 2 by OWC.

a. MDC EQUIPMENT SCHEDULE PART 1 BY PWC (PCN SGØØ1B162)(FIGURE 5-10). This is a listing of all equipment due scheduled maintenance by PWC and for the period indicated in the schedule request card. This listing is printed in performing

workcenter sequence reflecting items due by date due, ID number, and WUC. A new page is started whenever the performing workcenter changes.

(1) DISTRIBUTION. The listing will be distributed to production control and production analysis. Sorting sequence is PWC, date due, ID number, and WUC.

(2) USE. Production control will separate this listing by PWC and distribute it to the individual shop scheduler. The PWC scheduler will review the scheduled workload with each PWC supervisor and, when necessary, make appropriate changes to the date due. Changes will be made by circling the date due in red and entering the adjusted date due in the right margin. A reference to this change must be made on the listing as the next entry under the group of items due on the adjusted date. When all adjustments are made to the schedule, a copy will be forwarded to the performing workcenter concerned. One copy will be retained by the scheduler to be used as the master copy to which all changes will be made during the schedule period. Part 1 will be updated with corresponding changes from part 2 received from the OWC coordinators.

(3) RETENTION. This listing should be retained for three months after which it may be disposed of IAW AFM 12-50.

b. MDC EQUIPMENT SCHEDULE PART 2 BY OWC (PCN SGØØ1B163)(FIGURE 5-11). This is a listing of all equipment due scheduled maintenance by OWC. The scheduled period is dependent upon the code entered in column 16 of the schedule request card submitted by plans and scheduling of the performing chief of maintenance. This listing is printed in owning workcenter sequence by date due, ID number, and WUC. A new page is started whenever the owning workcenter changes.

(1) DISTRIBUTION. The listing will be distributed to the owning workcenter. Sorting sequence is OWC, date due, ID number, and WUC.

(2) USE. Each OWC will receive at least two copies of the listing and will check each item on the listing to verify that all data are correct and that all items due are included. Annotate all changes in red. If any changes are made, forward a copy to the PWC scheduler. (If equipment is included for more than one performing workcenter, sufficient copies of the listing will be provided to the OWC to allow a corrected copy to be forwarded to each PWC scheduler, as needed.) After all changes are posted and a copy of the corrected listing is forwarded to the PWC scheduler, subsequent changes will be posted as they occur until receipt of the next listing.

(3) VERIFYING PART 2. When the OWC and the PWC are the same, part 1 may be used for verification in lieu of part 2. While all data elements for each line entry must be checked, the following are the most critical elements in maintaining an accurate listing:

(a) WORK UNIT CODE. This code must be checked to insure it adequately reflects the type of work being performed or the item on which it is performed.

(b) DATE DUE. Check the listed date due against the AFTO Forms 27, 108, or 394 attached to the PME item. For other equipment, check appropriate historical records. The date due entered on these forms or records is considered the official date due and must be used.

(4) RETENTION. This listing should be retained until receipt of the next schedule after which it may be disposed of IAW AFM 12-50.

c. PME GENERAL PURPOSE CARDS (PCN SGØØ1B164). Along with part 1 of the schedule, the scheduler also gets three prepunched general purpose cards (for categories 1-4 only) for each entry on the schedule which is due during the first month of the schedule. No cards are furnished for items indicated as not updated. For items calibrated by an Air Logistic Center or AGMC, one prepunched GP card will be attached when the item is forwarded to the calibrating unit. For other items, the use of these cards within maintenance is at the discretion of the chief of maintenance, however, AF Form 1297, Temporary Issue Receipt, and AFTO Form 350, Reparable Item Processing Tag, may be used if desired. Outlined below is a suggested method for utilization.

(1) One of the general purpose cards may be used as a status file or suspense copy by the scheduler. It may be annotated to indicate when the item was actually received in the PMEL, when it was placed in work, AWM or AWP, and when it was released.

(2) One copy may be attached to the item for ready identification and for ease in completing the AFTO Form 349.

(3) One copy may be used as a receipting copy when the item becomes due and is processed into the PWC for scheduled calibration.

5-9. MDC ORGANIZATIONAL MASTER RECORD UPDATE LISTING (PCN SGØØ1B172)(FIGURE 5-12). This listing is automatically produced whenever an organizational master card is submitted.

a. DISTRIBUTION. The listing will be distributed to the host and submitting production analysis.

b. USE. This listing identifies transactions that were processed to update the organizational master record. New organizations can be added or deleted or data related to these organizations such as reports required, host base or MCS indicators, or other data may be changed by the add/delete process. Each organization submitting a change will receive a copy of the listing for that transaction. In addition, the host chief of maintenance will receive a copy listing the organization master records on the file as of the prepared date of the listing. Caution must be used when deleting organizational master records since the chief of maintenance (CM) code is the first position of the ID number.

c. RETENTION. The listing will be retained by each recipient until receipt of a subsequent listing after which it may be disposed of IAW AFM 12-50.

5-10. MDC MASTER TABLES AND CODES. The MDC master tables and codes are permanently stored on disk files. The disk is updated using a master table release from AFDSDC. It contains equipment classification codes extracted from TO 00-20-2 with their corresponding end item and how malfunctioned codes extracted from AFM 300-4, volume XI.

a. MDC MASTER FILE INVALID DATA (PCN SGØØ1B181)(FIGURE 5-13). When a change in workcenter or equipment classification codes occurs in TO 00-20-2 and the MDC master table is updated (workcenter codes are in the edit program and not on the MDC master table), the MDC master file will be checked for invalid workcenter or equipment classification codes. If invalid data is present, the MDC master file invalid data listing will be produced. Any record which appears on this listing has been deleted from the MDC master file. Addition cards are created at this time for resubmission (see paragraph c below). Invalid data fields are underlined on the listing.

(1) DISTRIBUTION. This listing will be distributed to documentation and production analysis.

(2) USE. Documentation will use this listing to insure that all records which were deleted are resubmitted if required. Checks should be made against MDC master ID update listing.

(3) RETENTION. This listing should be retained until after all required records have been resubmitted at which time it may be disposed of IAW AFM 12-50.

b. MDC MASTER TABLES AND CODES (PCN SGØØ1B182)(FIGURE 5-14). This listing will be produced whenever changes occur in workcenter, equipment classification, or how malfunctioned codes and also when an error message changes. The error messages are contained on the permanent disk also but are not printed except when an error occurs. The equipment classification codes are listed beside the appropriate end item. In some cases the end item field contains an asterisk which means that the end item is identified by a WUC or some unknown MDS/TMS. Asterisk end items are edited for valid MDS/TMS/WUC format only. For equipment classification "A", some aircraft are listed without a series code which means that any series code is acceptable; however, an entry is required on all input transactions.

(1) DISTRIBUTION. This listing will be distributed to documentation and production analysis.

(2) USE. Documentation will use this listing for verification of valid equipment classification and end item codes when submitting additions to the MDC master file.

(3) RETENTION. This listing should be retained until receipt of a subsequent listing after which it may be disposed of IAW AFM 12-50.

c. MDC MASTER FILE INVALID DATA ADD CARDS (PCN SGØØ1B183). These add cards are produced at the same time as MDC master file invalid data listing. The data field which was invalid and underlined on the listing is blank on the card.

(1) DISTRIBUTION. These cards will be distributed to documentation.

(2) USE. Documentation will enter the correct information on the card in the same manner as outlined in paragraph 3-5b. These cards will then be keypunched and submitted for processing (paragraph 4-3).

5-11. MDC DAILY TRANSACTION ERROR LISTING (PCN SGØØ1B302)(FIGURE 5-15) AND MDC DAILY TRANSACTION ERROR CARDS (PCN SGØØ1B303). The product and error cards will be available for pickup from Data Automation not later than 0800 hours of the first workday following turn-in of the keypunched cards.

a. DISTRIBUTION. This listing should be distributed to the performing workcenter and production analysis. Cards should be sent to production analysis.

b. SORTING SEQUENCE:

(1) Performing workcenter.

(2) Job control number.

c. USE. Detail cards punched from the maintenance data collection forms which contain erroneous information will be portrayed on this listing. One copy of the daily MDC transaction error listing and the MDC error cards will be returned to production analysis. At least two copies of the listing should be returned to the workcenter supervisor for correction. The workcenter supervisor must correct and annotate the listing in red and return it to the production analysis section. Production analysis will provide the keypunch activity with the error cards having the erroneous fields annotated with the corrected information. The keypunch activity will duplicate the detail card correcting the erroneous fields using the error card. The corrected detail cards will then be forwarded to Data Automation for normal processing. (See paragraph 3-5b.)

d. For each detail line entry on the MDC daily transaction error listing, the computer will produce an error card in the format as punched from the maintenance data collection forms. A short narrative description of the error is on the listing. To effectively correct the error, the workcenter supervisor may have to review his source document or research the master ID listing, TO 00-20-2-11 or AFM 300-4, volume XI or XII. The short narrative description on the error listing will give the supervisor an indication of the proper method to correct the error.

e. RETENTION. The MDC daily transaction error listing should be disposed of with the daily MDC transaction listing, if received, or after 30 days IAW AFM 12-50.

5-12. MDC SCHEDULE UPDATE LISTING (PCN SGØØ1B304)(FIGURE 5-16). This listing is produced whenever a valid schedule update is processed against the MDC master file. It will be produced in conjunction with the daily MDC transaction listing.

a. DISTRIBUTION. The report will be distributed to production analysis and the performing workcenter.

b. USE. The performing workcenter will use this listing to maintain the monthly schedule and to verify that all updates were processed against the master file. The listing is sorted on PWC, ID number, WUC, transaction day, and OWC.

c. RETENTION. This listing should be retained for 90 days after which it may be destroyed IAW AFM 12-50.

5-13. MDC DAILY TRANSACTION LISTING. This listing is mandatory to all users of the MDC System and will be available for pickup from Data Automation not later than 0800 hours of the first workday after turn-in of the keypunched cards. The listing

is produced in seven sections depending on the data submitted. Expanded edits on input data make the listed data more reliable, therefore, no correction capability is provided. However, production analysis must make continuing periodic spot checks of the listing to insure validity of the input data. Each listing format, sorting, and totalling sequence is outlined below.

a. DISTRIBUTION. The listing will be distributed to production analysis.

b. USE. In addition to the use outlined above, the listing is an excellent tool for initiating or updating analyses between production of the monthly listings without resorting to BLIS. In addition, each transaction on this report contains a five-position sequence number. This number is computer generated for use in correcting any MDC data which appears on the Maintenance Cost System MDC error listing during end of month processing. Any transaction rejected by MCS will contain the MDC daily run number in columns 61-62, and the transaction sequence number in columns 19-23. Without this cross-reference, correction would not be possible. Reference attachment 4 for criteria used to create MCS workload breakdown structure (WBS) and work accomplishment codes (WAC) from MDC data.

c. SPECIFIC LISTINGS:

(1) MDC DAILY TRANSACTION LISTING SECTION A (ON-EQUIPMENT)(PCN SGØØ1B321) (FIGURE 5-17). This listing contains all valid on-equipment daily transactions.

(a) Sorting sequence is chief of maintenance code, EQCL, first two positions of WUC, third position of WUC, last two positions of WUC, data class (A-D), action taken code, how malfunctioned code, ID number, job control number.

(b) Totaling occurs when data class changes (*), last two positions of WUC change (**), third position of WUC changes (***), first two positions of WUC change (****), EQCL changes (*****).

(2) MDC DAILY TRANSACTION LISTING SECTION B (OFF-EQUIPMENT)(PCN SGØØ1B322) (FIGURE 5-18). This listing contains all valid off-equipment daily transactions. Sorting and totaling are the same as for section A except data class includes codes E through G.

(3) MDC DAILY TRANSACTION LISTING SECTION C (SUPPORT GENERAL)(PCN SGØØ1B323)(FIGURE 5-19). This listing contains all valid support general daily transactions. Sorting and totaling are the same as for section A except data class includes code H.

(4) MDC DAILY TRANSACTION LISTING SECTION D (INDIRECT LABOR)(PCN SGØØ1B324)(FIGURE 5-20). This listing contains all valid indirect labor daily transactions.

(a) Sorting sequence is chief of maintenance, first three positions of WUC, last two positions of WUC, stop day.

(b) Totaling occurs when last two positions of the WUC change (*), first three positions of the WUC change (**), chief of maintenance code changes (***).

(5) MDC DAILY TRANSACTION LISTING SECTION E (PARTS REPLACED)(PCN SGØØ1B325)(FIGURE 5-21). This listing contains all valid parts replaced daily transactions extracted from block 29 of the AFTO Form 349.

(a) Sorting sequence is chief of maintenance, EQCL, first two positions of bit WUC, third position of bit WUC, last two positions of bit WUC, how malfunctioned code.

(b) Totaling occurs when the last two positions of the bit WUC change (*), third positions of the bit WUC change (**), first two positions of the bit WUC change (***), EQCL changes (****).

(6) MDC DAILY TRANSACTION LISTING SECTION F (SERIALLY-CONTROLLED AND TIME CHANGE REMOVE AND REPLACE)(PCN SGØØ1B326)(FIGURE 5-22). This listing contains all valid serially-controlled and time change remove and replace daily transactions. Sorting sequence is chief of maintenance, EQCL, first two positions of the WUC, third position of the WUC, last two positions of the WUC, remove or install code, job control number. This report does not contain totals.

(7) MDC DAILY TRANSACTION LISTING SECTION G (ENGINE REMOVE AND REPLACE) (PCN SGØØ1B327)(FIGURE 5-23). This listing contains all valid engine remove and replace daily transactions. Sorting sequence is chief of maintenance, EQCL, aircraft or AGE ID or serial number, component position. This report does not contain totals.

d. RETENTION. After the MDC monthly transaction listing is received and verified, these listings may be disposed of IAW AFM 12-50. If the option for receiving monthly products is not exercised, these listings may be retained until no longer needed for reference.

5-14. MDC MONTHLY TRANSACTION LISTING. These listings are optional to each user of the MDC System and, if requested, will be available for pickup from Data Automation not later than 0800 hours of the second workday following the last processing date. Options are specified on the organizational master card and may be changed at any time. The listing format and totaling are the same as the MDC daily transaction listing. It includes all valid transactions processed during the month and may contain data from previous months if processed during the as-of-month.

a. The reports and their PCNs are:

(1) MDC MONTHLY TRANSACTION LISTING SECTION A (ON-EQUIPMENT)(PCN SGØØ1B5Ø1)(FIGURE 5-24).

(2) MDC MONTHLY TRANSACTION LISTING SECTION B (OFF-EQUIPMENT)(PCN SGØØ1B5Ø2)(FIGURE 5-25).

(3) MDC MONTHLY TRANSACTION LISTING SECTION C (SUPPORT GENERAL) (PCN SGØØ1B5Ø3)(FIGURE 5-26).

(4) MDC MONTHLY TRANSACTION LISTING SECTION D (INDIRECT LABOR) (PCN SGØØ1B5Ø4)(FIGURE 5-27).

(5) MDC MONTHLY TRANSACTION LISTING SECTION E (PARTS REPLACED) (PCN SGØØ1B5Ø5)(FIGURE 5-28).

(6) MDC MONTHLY TRANSACTION LISTING SECTION F (SERIALLY-CONTROLLED AND TIME CHANGE REMOVE AND REPLACE)(PCN SGØØ1B5Ø6)(FIGURE 5-29).

(7) MDC MONTHLY TRANSACTION LISTING SECTION G (ENGINE REMOVE AND REPLACE)(PCN SGØØ1B5Ø7)(FIGURE 5-30).

b. DISTRIBUTION. These listings will be distributed to production analysis.

c. USE. These listings are composites of all daily transactions. They are the basic source of all maintenance tasks performed and direct and indirect labor documented during the month. The format of the listings makes various analyses by work unit code and equipment classification code relatively easy. Production and deficiency analysis may use these listings to determine areas of maintenance that are troublesome and require further investigation. Sections A and B may be used to determine those components which malfunctioned most frequently. Section E may be used by materiel control for forecasting future parts requirements. Section F may be used by documentation to audit time change replacements.

d. RETENTION. These listings should be retained until no longer needed for reference and then disposed of IAW AFM 12-50.

5-15. MDC WORK SUMMARY. The MDC work summary is produced in 3 parts; parts 2 and 3 each consist of four sections. All of these listings are optional to each user of the MDC System and, if requested, will be available for pickup from Data Automation not later than 0800 hours of the second workday following the last processing date. Options are specified on the organizational master card and may be changed at any time. Specific listings are:

a. MDC WORK SUMMARY PART 1 (DIRECT LABOR BY END ITEM)(PCN SGØØ1B511)(FIGURE 5-31). This listing contains a summary of all direct labor expended within a chief of maintenance by end item.

(1) DISTRIBUTION. This listing should be distributed to production analysis.

(2) SORTING SEQUENCE:

(a) Equipment classification by chief of maintenance.

(b) ID number or end item identity if no ID number.

(c) Type maintenance.

(d) Performing workcenter.

(3) USE. This listing is the primary source of information for determining the direct labor hours expended and units produced by type maintenance against an end item. This is the source for computing man-hours per flying hours or sortie.

(4) RETENTION. This listing should be retained until no longer needed for reference and then disposed of IAW AFM 12-50.

b. MDC WORK SUMMARY PART 2 SECTION D (DIRECT LABOR BY WORKCENTER)(PCN SGØØ1B525) (FIGURE 5-32). This listing contains a summary of all direct labor expended within a chief of maintenance by workcenter. For illustration purposes only, section D is shown in this manual; however, sections A, B, and C are in the same format and may be used for similar purposes. Section A (PCN SGØØ1B521) is summarized by the first position of the PWC, section B (PCN SGØØ1B522) is summarized by the first two positions of the PWC, section C (PCN SGØØ1B523)is summarized by the first three positions of the PWC.

(1) DISTRIBUTION. This listing should be distributed to production analysis and to the PWC indicated on the listing. The listing will indicate the

level of supervision to which the listing should be distributed. For example, if section D indicates workcenter A3230, the listing would be sent to the jet engine shop. Section C would indicate workcenter A32, contain data for the entire propulsion branch, and would be distributed to the propulsion branch. Section B would indicate A3, contain data for the propulsion branch as well as all other branches within field maintenance, and would be distributed to field maintenance supervision. Section A would contain data for the entire chief of maintenance and it, along with a copy of each of the other sections, should be sent to production analysis.

(2) SORTING SEQUENCE:

(a) Performing workcenter.

(b) Equipment classification.

(c) Type maintenance.

(3) USE. This listing provides workcenter production by end item.

(4) RETENTION. This listing should be retained until no longer needed for reference and then disposed of IAW AFM 12-50.

c. MDC WORK SUMMARY PART 3 SECTION D (INDIRECT LABOR)(PCN SGØØ1B535)(FIGURE 5-33). This listing contains a summary of all indirect labor expended within a chief of maintenance by workcenter. For illustration purposes only, section D is shown in this manual; however, sections A, B, and C are in the same format and may be used for similar purposes. Section A (PCN SGØØ1B531) is summarized by the first position of the PWC. Section B (PCN SGØØ1B532) is summarized by the first two positions of the PWC. Section C (PCN SGØØ1B533) is summarized by the first three positions of the PWC.

(1) DISTRIBUTION. This listing should be distributed to production analysis and to the PWC indicated on the listing. The listing will indicate the level of supervision to which the listing should be distributed. For example, if section D indicates work center A3230, the listing would be sent to the jet engine shop. Section C would indicate workcenter A32, contain data for the entire propulsion branch. Section B would indicate A3, contain data for the propulsion branch as well as all other branches within field maintenance supervision. Section A would contain data for the entire chief of maintenance and, along with a copy of each of the other sections, it should be sent to analysis.

(2) SORTING SEQUENCE:

(a) Performing workcenter.

(b) First three positions of WUC.

(c) Last two positions of WUC.

(3) USE. This listing is the primary source of information for determining the indirect labor expended within a chief of maintenance by workcenter.

(4) RETENTION. This listing should be retained until no longer needed for reference and then disposed of IAW AFM 12-50.

5-16. MDC ACTIVITY IDENTIFIER SUMMARY. The MDC activity identifier (AI) summary is produced in 2 parts. The listings are optional to each user of the MDC System and, if requested, will be available for pickup from Data Automation not later than 0800 hours of the second workday following the last processing date.

a. MDC ACTIVITY IDENTIFIER SUMMARY PART 1 BY PWC (PCN SGØØ1B541)(FIGURE 5-34). This listing contains all valid transactions which had an activity identifier entered in columns 78-79 of the input card. The sequence of part 1 is PWC, activity identifier, EQCL, end item, and type maintenance.

(1) DISTRIBUTION. This report will be distributed to production analysis.

(2) USE. This listing provides the total units and man-hours produced for each AI by PWC, EQCL, and end item. It is used to identify those hours expended by the PWC for another unit, special project, or activity for which an AI has been assigned.

(3) RETENTION. This listing should be retained until no longer needed for reference and then disposed of IAW AFM 12-50.

b. MDC ACTIVITY IDENTIFIER SUMMARY PART 2 BY ACTIVITY IDENTIFIER (PCN SGØØ1B542)(FIGURE 5-35). This listing contains the same information as part 1. The only difference is that the major sequence is AI instead of PWC. Distribution, use, and retention of this listing is the same as part 1.

c. MDC ACTIVITY IDENTIFIER SUMMARY PART 3 INDIRECT LABOR (PCN SGØØ1B536) (FIGURE 5-36). This listing contains the same data as the MDC Work Summary Part 3, Section D, except the major control is activity identifier (AI) code. When maintenance activities exercise the option of using the AI to further shred out productive indirect labor, this report will provide these transactions. Distribution, use, and retention is the same as part 1.

5-17. PERFORMANCE MONITORING SYSTEM. The performance monitoring system provides seven different output listings described below. Four of these products are produced automatically whenever a specific item exceeds the preset parameters for significance level or sigma level. The significance level (SIG LVL) is the number of annual actions taken on a work unit coded item, based on units produced. It is preset at 12 but may be changed for the entire chief of maintenance or for a specific WUC or part number by submitting a change card (chapter 4). Caution must be exercised when changing the significance level to insure that the change is realistic for the item or the chief of maintenance. Specific controls must be established so that the analyst knows at all times what significance level has been established. Another parameter used in the system is the sigma level. The sigma level is the standard deviation established for the upper and lower control limits. The sigma level is preset at two standard deviations but may be reset to 1-3 (chapter 4).

a. WUC TREND ANALYSIS REPORT (PCN SGØØ1B732)(FIGURE 5-37). This product is produced on demand by submitting a WUC trend analysis request card A (PCN SGØØ1B731).

(1) FORMAT. The specific format of the report is:

(a) HEADINGS. The item requested is listed under the headings of EQCL, ITEM-IDENT, and WUC followed by the SIG LVL, LATEST MONTH, and WUC TITLE which may be entered in the request card. The next line indicates the month of the reported data beginning with the latest month (-1) followed by the next latest month (-2), and so forth.

(b) NUMBER OF FAILURES. This is the total number of failures reported for the requested WUC during the indicated months.

(c) OFF-EQUIP MAN-HOURS. This is the total number of off-equipment man-hours reported for the requested WUC during the indicated month.

(d) On-equipment data is summarized by PWC within action taken code (programmatically translated to a meaningful literal). It is displayed in hours and units and average hours for each of the 12 months. An average is then computed for the sum of the 12 months data and presented as a standard. This standard is only displayed as a source to compare with the current month's average. It is not intended to reflect the optimum. To the left of each month's STD is a variation indicator (+, -, or .). The plus sign indicates that the AVG for the month was at least plus 1, 2, or 3 standard deviations (SD) (whatever sigma level was set for the chief of maintenance) from the STD. The minus sign indicates that the AVG was minus 1, 2, or 3 SD while the dot indicates that the AVG was within plus or minus the set sigma level.

(e) Off-equipment data related to the requested WUC is displayed by FSC and part number and type action. If more than one FSC part number is related to the WUC, all will be listed separately. Type action is summarized by repairs and bench check/NRTS by PWC. The hours, units, average, and standard are indicated in the same manner as the on-equipment portion of the report.

NOTE. Attachment 2, paragraphs A2-1a, e, and f contain the criteria used for selecting failures, off-equipment repairs, and bench check/NRTS.

(2) DISTRIBUTION. This report should be distributed to production analysis.

(3) USE. When a component appears on the on-equipment performance hi-lite listing, it is indicative of a problem. More information should then be sought by requesting a WUC trend analysis report. The report may indicate that the item (WUC) exceeded the standard deviation for only two of the 12 months and, therefore, may not indicate a significant problem. A specific FSC part number could be the cause of a problem and should be analyzed further to determine if significant cause is present. This report is a tool to indicate more specific areas requiring study, or for referral to deficiency analysis. No decision should be made solely on this report.

(4) RETENTION. This report should be retained until no longer needed for reference and then disposed of IAW AFM 12-50.

b. PART NUMBER TREND ANALYSIS REPORT (PCN SGØØ1B734)(FIGURE 5-38). This product is produced on demand by submitting a part number trend analysis request card "B" (PCN SGØØ1B733). This report is similar to the WUC trend analysis report outlined in paragraph a above except that it only contains off-equipment information. The instructions for distribution, use, and retention are the same for both reports.

c. TREND ANALYSIS REQUEST ERROR LISTING (PCN SGØØ1B735)(FIGURE 5-39). This listing will be produced when either one of the trend analysis request cards is in error. Correct and resubmit.

d. PERFORMANCE MONITORING MASTER CHANGE LISTING (PCN SGØØ1B749)(FIGURE 5-40). This listing is produced as a result of submitting any one of the performance monitoring change cards (PCNs SGØØ1B74Ø-748). This listing is in narrative form identifying the changes made or unidentifiable changes requested.

(1) DISTRIBUTION. This listing should be distributed to production analysis.

(2) USE. This listing will reflect the current changes made to significance or sigma levels. When a subsequent change is made to an item appearing on a previous listing, the item on the previous listing must be lined out. In this manner, by checking all listings on hand, the various changes to the file will be known.

(3) RETENTION. When all items on a listing have been lined out it may be disposed of IAW AFM 12-50.

e. ON-EQUIPMENT PERFORMANCE HI-LITES (PCN SGØØ1B771)(FIGURE 5-41). This product is produced automatically during the normal end-of-month processing and will be available for pickup from Data Automation not later than 0800 hours of the second workday following the last processing date. It includes each component (WUC) where the average man-hours per unit produced for a specific action taken code for the reporting month exceed the standard by plus or minus 1, 2, or 3 SD (whatever sigma level was set for the chief of maintenance) for that particular action taken code. The standard (STD) is the average man-hours per unit produced for the 12 prior months. Inserted into the title of the report is the general category of equipment (i.e., AERO-VEH, ENGINE, AGE, or CEM).

(1) FORMAT. The component being highlighted is listed by EQCL. ITEM IDENT, WUC, AT, UNITS, and MAN-HOURS. The units and man-hours for each listed WUC/AT are totaled. An average is computed for this total and displayed under MONTH AVERAGE. To the left of the month average is the LOWER CONTROL limit and to the right is the UPPER CONTROL limit. The lower control limit is the average man-hour at which the minus SD occurred for the component being highlighted (negative man-hours are advanced to zero). The upper control limit is the average man-hours at which the plus SD occurred for the component being highlighted. To determine job averages which exceed established control limits, a "Z-score" is computed and compared to the sigma level. If this "Z-score" is higher or lower than the control limits, by $\pm$ .01, that job is highlighted. The established significance level is shown to the right of each job highlighted. Also, the established sigma level for the chief of maintenance is shown at the top right side of each page.

NOTE. WUC 03xxx and 04xxx will be displayed without an action taken code. For other WUCs only data for the action taken code which exceeded the control limit will be displayed.

(2) DISTRIBUTION. This report should be distributed to production analysis.

(3) USE. When a WUC is listed on this report it is indicative of a problem. These items require further study by the analyst. The problem area may have already been identified through a prior hi-lite report or through some other source and corrective action already taken or contemplated. The item may also be appearing on the report because the significance level is set too low. In these two cases, a WUC significance level change record may be submitted to raise the level and thus remove it from future reports unless the item then exceeds the new significance level. Caution must be exercised so that the significance level is not set too high so that the item would never exceed it. The item must first exceed the significance level before it will be checked against the control limits.

f. OFF-EQUIPMENT PERFORMANCE HI-LITES (PCN SGØØ1B772)(FIGURE 5-42. This product is produced automatically during the normal end-of-month processing and will be available for pickup from Data Automation not later than 0800 hours of the second workday following the last processing date. The format is similar to the on-equipment performance hi-lites except that it is by FSC/part number within PWC. The remainder of the report and the distribution, use, and retention instructions are the same as the on-equipment performance hi-lites. The action taken (AT) column is translated as follows: Repairs = AT - A, F, G, K, L, M, N, V, or Z. Bench check/test = AT - B, C, D, J, X, 1-9.

g. HIGH-25 ON-EQUIPMENT FAILURES (PCN SGØØ1B781)(FIGURE 5-43). This product provides a listing of the high-25 component failures (plus five if ties occur in the 25th place). The listing is separated vertically by a broken line. The data on the left side portrays the current month's standings of high-25 which were not suppressed by a high-25 failure suppression flag change record (PCN SGØØ1B744). The data is listed by EQCL, item identity, WUC, current failures, and the failures for each of the 12 previous months within a chief of maintenance. Data on the right side is listed by EQCL, item identity, WUC, and a total for the previous 12 months. Portrayed on this portion of the listing is the high-25 for the year. It does not include data for the current month nor can this data be suppressed by a suppression flag change record. Listed horizontally across the bottom of the page, in rank order, are the WUCs which, had they not been suppressed, would have appeared ahead of the last WUC printed in the high-25. A maximum of 28 WUCs may be printed; however, more codes may have been suppressed in which case the words "and others" will be printed in the 28th position at the end of the string of WUCs.

(1) DISTRIBUTION. This listing should be distributed to production analysis and deficiency analysis.

(2) USE. The analyst will find this product useful in identifying components/end items which may require further analyses. A WUC trend analysis report may be used to provide additional information about the specific item.

(3) RETENTION. This listing should be retained until no longer needed for reference and then disposed of IAW AFM 12-50.

h. HIGH-25 MAN-HOUR CONSUMING JOBS (PCN SGØØ1B791)(FIGURE 5-44). This product provides a listing of the high-25 man-hour consuming jobs. The format is similar to the high-25 on-equipment failure listing except that man-hours are shown for on- and off-equipment with a total. The rest of the report is the same as well as the distribution, use, and retention instructions.

5-18. WORKLOAD DISTRIBUTION ANALYSIS SYSTEM. This subsystem provides five optional output listings for any level of workcenter consolidation for any of the previous six months (ABD32A file) or the entire six-month period (ABD64A file). The reports may be requested at any time during the month by submitting a workload distribution request card (PCN SGØØ1B810). The user must be familiar with the specific time frame and workcenter levels of consolidation that produced the requested data, otherwise faulty decisions or assumptions could be made. For example, if the analyst requested a workload distribution histogram for average number of workers by hour of the day (PCN SGØØ1B812), and used only a single month ABD32A source file, the data would portray actual number of workers rather than averages. Also, if specific workcenters, branches, or squadrons are requested at the same time, the level of consolidation for the two-position or chief of maintenance report will reflect only the data requested for the workcenters entered in the request card. The five products are:

a. WORKLOAD DISTRIBUTION INPUT REQUEST ERROR LIST (PCN SGØØ1B811)(FIGURE 5-45). This report is produced whenever an input request card (PCN SGØØ1B810) is not formatted correctly. The input request card image is shown beneath a card column identification line. Correct and resubmit.

b. WORKLOAD DISTRIBUTION HISTOGRAM FOR AVERAGE NUMBER OF WORKERS BY HOUR OF THE DAY (PCN SGØØ1B812)(FIGURE 5-46). This report portrays all crew size transactions reported via AFTO Form 349 for the past month or six months at the selected level of consolidation by workcenter code. The Y-variate, number of workers, is

fitted to the chart based on the maximum value in any half-hour increment. All values are averaged (÷ 182.5 days for six months) for the period and are spread across each half-hour increment from +15 to -14 minutes (even hour) and from -15 to +14 minutes (half-hour). A minimum of two crew size transactions is required to obtain a value (.01). The actual average values for each half-hour period, and the percent of total in each half-hour are listed vertically at the right of the chart.

c. WORKLOAD DISTRIBUTION HISTOGRAM FOR PRODUCTIVE MAN-HOURS BY HOUR OF THE DAY (PCN SGØØ1B813)(FIGURE 5-47). This report portrays the accumulative number of man-hours reported for each half-hour increment for the past month or six months at the selected level of consolidation by workcenter code. The Y-variate, number of man-hours, is fitted to the chart based on the maximum value in any half-hour increment for that workcenter. Man-hours are spread across each half-hour increment (X-variate) from +15 to -14 minutes (even hour) and from -15 to +14 minutes (half-hour). The actual totals for each period, the percent of total, and grand total are listed vertically at the right side of the chart.

d. WORKLOAD DISTRIBUTION HISTOGRAM FOR PRODUCTIVE MAN-HOURS BY DAY OF MONTH (PCN SGØØ1B814)(FIGURE 5-48). This report portrays the accumulative productive man-hours, for the past month or six months, by day of month. The Y-variate (man-hours) is adjusted in the computer by workcenter so the histogram presentation is more evenly spread over the chart for each workcenter. This report will provide visibility to compare actual workload trends and aid in decisions to smooth monthly schedules. The actual values and percent of total are listed in date sequence at the right side of the chart.

e. WORKLOAD SATURATION CHART FOR MAN-HOURS BY HOUR OF DAY (PCN SGØØ1B815) (FIGURE 5-49) AND WORKLOAD SATURATION CHART FOR MAN-HOURS BY DAY OF MONTH (PCN SGØØ1B816)(FIGURE 5-50). These two reports compare and portray and actual distribution of man-hours by hour of day or day of month as compared to a normal distribution curve. The normal distribution curve is assumed for computer application and may or may not be the actual case for any given workcenter. Each time period has a calculated standard deviation from the arithmetic mean. These values are listed on the right side of the chart. The computed mean and standard deviation are shown at the top of the chart. Peak work periods containing hours above the mean will appear to the right of the mean, while work periods containing hours less than the mean are printed to the left side. Each work period is printed in its appropriate relationship to the mean, and to other work periods within each standard deviation grouping. They are shown in descending order from top to bottom and left to right. Due to print constraints, abnormal values can cause some time periods to be printed (overflow) in the adjoining block, however, its calculated standard deviation is accurate. All time periods shown within a particular plus or minus ($\pm$) one-standard-deviation will contain an actual value (man-hours) between the mean and that value shown for one-standard-deviation. Those shown in succeeding groupings will contain an actual value equal to, or greater than the lower limit for that standard deviation value printed at the bottom of the chart and less than the value for the next standard deviation value. Users of these products may wish to apply other statistical formulae for the purpose of determining measures of central tendency when the arithmetic mean appears biased by extreme values.

f. FORMAT. The title line contains the date prepared, report title, and PCN. The body of the report contains the arrayed data and distribution of selected data. The Y-variate (vertical scale) portrays the actual values in increments of 1 or greater, depending on the highest values to be portrayed. The X-variate (horizontal) portrays the selected time scale in half hours or days. In some cases, there are

no significant data available in a given X-variate. When this is true, a single dash (-) mark will be printed for that particular time scale on the histogram (PCNs SGØØ1B812/813/814). Significant data are shown by a double dash (=) or a series of double dashes to form a bar graph. The workload saturation charts, PCNs SGØØ1B815/816, display an assumed normal distribution curve with all actual time increments distributed in their relative position in standard deviations from the computed arithmetic mean ($\bar{x}$). The actual values for each time increment, percent of total, and grand total are displayed vertically on the right side of each chart. The formula used for standard deviation is:

$$s = \sqrt{\sum \frac{(\bar{x}-x)^2}{N-1}}$$

s = Standard deviation

$\sum$ = Sum of

$\bar{x}$ = Mean of distribution

x = Man-hours or number of workers

N = Number of observations

The relative position of each observed value is determined by the formula:

$$z = \frac{x-\bar{x}}{s}$$

z = Number standard deviations from mean

x = Man-hours or number of workers

$\bar{x}$ = Mean of distribution

s = Value of standard deviation

g. DISTRIBUTION. These listings should be distributed to production analysis.

h. USE. These products are designed primarily to assist production analysis during workload, manpower utilization, and workcenter capability analyses. Trend analysis can also be accomplished by comparing month-to-month trends, such as significant changes to peak and valley work situations for given workcenters, branches, or squadrons. The wide variety of products and levels of consolidation allows the analyst to pursue combinations of variables such as man-hours by hour of the day, man-hours by day of month, at all five workcenter levels. These data and reports will save valuable man-hours which are now expended in detailed extraction, compilation, and computation, and will provide timely response to management requirements.

i. RETENTION. These listings should be retained until no longer needed for reference and then disposed of IAW AFM 12-50.

RESERVED

(Figures 5-1 thru 5-3)

PREPARED 76 DEC 16 MDC MASTER ID ERROR LISTING PCN SG0018121

END ITEM IDENTITY	PWE SN	ID NUMBER	CL	DWC	DC	CCAB	WUC	PWC	FRE	EHH	DATE DUE	N	ALC	E T	E C	AS Q	CD	S T	A D	REMARKS
6625AKC=1	01538	YH1538	PA	6518	0Y	00000	AABRA	44500	030	1.0	75010			F	2				A	
PART NUMBER MUST BE ALPHANUMERIC; DASHES(-) OR SLASHES(/) MAY BE USED BETWEEN NUMERICS ONLY.																				
6625AKC=2	01539	YH1539	PA	6518	0Y	00000	AABRB	44500	030	1.0	75011			F	2				A	
PART NUMBER MUST BE ALPHANUMERIC; DASHES(-) OR SLASHES(/) MAY BE USED BETWEEN NUMERICS ONLY.																				
FGC0562	00240796	YK1797	CP	651H	0Y						03148	Y	512	168	1.0	75140				
CARD CDL BC DOES NOT CONTAIN AN "E"(MASTER ID) OR CAT "1" TO "5" OR "A"(SCHEDULING RECORD).																				
TYPE END ITEM (CC 78), MUST BE "F"=FSC, "M"=MOS, "T"=TMS, OR "A"=WUC.																				
TRANSACTION NOT ADD (A), DELETE (D), OR CHANGE (C) (CC79).																				
FGC0562	00240795	YK1795	CP	651H	0Y															
CARD CDL BC DOES NOT CONTAIN AN "E"(MASTER ID) OR CAT "1" TO "5" OR "A"(SCHEDULING RECORD).																				
TYPE END ITEM (CC 78), MUST BE "F"=FSC, "M"=MOS, "T"=TMS, OR "A"=WUC.																				
TRANSACTION NOT ADD (A), DELETE (D), OR CHANGE (C) (CC79).																				

PCN SG0018121 PAGE 1 DISTRIBUTE TO CHIEF OF MAINT Y END PAGE 1

Figure 5-4. MDC Master ID Error Listing.

BEST AVAILABLE COPY

PREPARED 7/ DEC 14 — MDC MASTER ID UPDATE LISTING — PCN SG0018122

END ITEM IDENTITY	PHE S	MD NUMBER	CL	DWG	DC	REMARKS	WUC	PWC	FRE	EMH	DATE DUE	N	ALC	E T	E C	AS Q	CD	S T	A D	REMARKS
FGC05AC [illegible]		YKX706	CP	6518	0Y		03168	Y6518	168	1.0	75254			M	A					ADDED
FGC05AC [illegible]		YKX706	CP	6518	0Y		031A8	Y6518	084	1.0	75338			M	A					ADDED
FGC05AC [illegible]		YKX707	CP	6518	0Y		031A8	Y6518	084	1.0	76223			M	A					ADDED
FGC05AC [illegible]		YK0706	CP	6518	0Y									M	*					ADDED

PCN SG0018122 — END PAGE 2 — DISTRIBUTE TO CHIEF OF MAINT Y — END PAGE 1

Figure 5-5. MDC Master ID Update Listing.

PREPARED 75 FEB 27 — MDC MASTER ID LISTING BY ID NUMBER — PCN S8001B151

-FND-ITEM-IDENTITY--	-PME-SN	ID NUMBER	CL	-OMC-	OC	COL 66-74	-NUC-	-PMC-	FRE	FWH-	DATE DUE	N	ALC-	ET	EC	Θ	AS CD	S T
AA000602060		YLW060	EA	Y65A0	0Y									W	•			
TOTAL ITEMS THIS EQUIPMENT	313																	
AD00070207		YQW207	NB	Y65110	0Y		03168	Y65110	168		75105			W	A			
AD00045A8		YQW58A	NB	Y65110	0Y		03168	Y65110	168		75104			W	A			
AD00051677		YQW677	NB	Y65110	0Y		03168	Y65110	168		75107			W	A			
TOTAL ITEMS THIS EQUIPMENT	3																	
AA0007020		YUW020	NB	Y65110	0Y									W	•			
AA0004395		YUW395	CE	Y65220	0Y		03168	Y65220	168		75124			W	A			
AA0004434		YUW434	CE	Y65220	0Y		03168	Y65220	168		75124			W	A			
AA000532		YUW532	JF	Y65220	0Y		03128	Y65220	028		75058			W	A			
AA000532		YUW532	JF	Y65220	0Y		03168	Y65220	168		75163			W	A			
AA0004588		YUW58A	NB	Y65110	0Y									W	•			
AA000617		YUW617	JD	Y65220	0Y		03128	Y65220	028		75058			W	A			
AA000617		YUW617	JD	Y65220	0Y		03168	Y65220	168		75163			W	A			
AA000514?7		YUW677	NB	Y65110	0Y									W	•			
TOTAL ITEMS THIS EQUIPMENT	7																	
TOTAL ITEMS THIS CH MAINT	725																	

PCN S80018151 — PAGE 43 — DISTRIBUTE TO CHIEF OF MAINT Y — END PAGE 4

Figure 5-6. MDC Master ID Listing by ID Number.

PREPARED 7a DEC 18 — MDC MASTER ID LISTING BY OWNING WORKCENTER — PCN SG0018192

END ITEM IDENTITY	PME SN	NUMBER	CL	OWC	DC	COL 68-74	NUC	PNC	FRE	EMH	DATE DUE	N	ALC	E T	E C	Q	AS CD	S T
AC40017A056DDW0060		AGV060	YR	A3400	0J									W	*			
AA100611557ALA5616		AG3615	DY	A3400	0J									W	*			
52106GGC111	05382	AHA022	PA	A3400	0J	000000	7GH00	AA500	180	24.0	75020		AGMC	F	3			D
52106GCC123	09265	AHA024	PA	A3400	0J	000000	ZGH00	AA500	180	24.0	75022		AGMC	F	3			D

PCN SG0018192 — PAGE 5 — DISTRIBUTE TO WORKCENTER A3400 — END PAGE 1

Figure 5-7. MDC Master ID Listing by Owning Workcenter.

PREPARED 7& DEC 18 — MDC MASTER ID LISTING BY END-ITEM — PCN SG001B153

END-ITEM-IDENTITY	PWE SN	NUMBER	CL	OMC	DC	COL 68-74	MUC	PWC	FRE	EMH	DATE DUE	N	ALC	E T	E C	Q	AS CD	S T
AA0003		TZA003	AA	Y6720	0Y		03156	Y6720	056	1.0	7R239			M	A			
AA0003		TZU003	AA	Y6720	0Y									M	*			
AA0004		TZT004	AA	Y6720	0Y		03156	Y6720	056	1.0	7R295			M	A			
AA0004		TZU004	AA	Y6720	0Y									M	*			
BDD0016		TZT016	AZ	Y6720	0Y		03114	Y6720	014	1.0	7R309			M	A			
BDD0016		TZU016	AZ	Y6720	0Y									M	*			
FGC052X	00000003	TKU003	CM	Y651R	0Y		03156	Y651B	056	1.0	77296			M	A			
FGC052X	00000003	TKU003	CM	Y651R	0Y		03184	Y651B	084	1.0	7R183			M	A			
FGC052X	00000003	TKU003	CM	Y651R	0Y									M	*			
FGC052X	00000003	TKU003	CM	Y651B	0Y		03168	Y651B	168	1.0	7R099			M	A			
FGC052X	00000003	TKU003	CM	Y651R	0Y		03107	Y651B	007	1.0	76229			M	A			
FGC052X	00000003	TKU003	CM	Y651R	0Y		03128	Y651B	028	1.0	76269			M	A			
FGC052X	00000003	TKU003	CM	Y651R	0Y		03114	Y651B	014	1.0	76242			M	A			
FGC052X	00000003	TKU003	CM	Y651R	0Y		03136	Y651B	336	1.0	77240			M	A			
FGC054C	00000003	TKA003	CP	Y651R	0Y		03184	Y651B	084	1.0	75086			M	A			
FGC054C	00000003	TKA003	CP	Y651R	0Y		03114	Y651B	014	1.0	75072			M	A			
FGC054C	00000003	TKA003	CP	Y651R	0Y		03107	Y651B	007	1.0	75065			M	A			
FGC054C	00000003	TKA003	CP	Y651R	0Y		03136	Y651B	336	1.0	75338			M	A			
FGC054C	00000003	TKA003	CP	Y651R	0Y		03128	Y651B	028	1.0	75086			M	A			
FGC054C	00000003	TKA003	CP	Y651R	0Y		03168	Y651B	168	1.0	75170			M	A			
FGC054C	00000003	TKA003	CP	Y651R	0Y		03156	Y651B	056	1.0	75114			M	A			
FGC054C	00000004	TKU004	CP	Y651R	0Y									M	*			
FGC054C	00240795	TKA796	CP	Y651R	0Y		03168	Y651B	168	1.0	75254			M	A			
FGC054C	00240795	TKA796	CP	Y651R	0Y		03184	Y651B	084	1.0	75338			M	A			

PCN SG001B153 — PAGE 21 — DISTRIBUTE TO CHIEF OF MAINT Y — PAGE 1

Figure 5-8. MDC Master ID Listing by End Item.

PREPARED 74 DEC 15 — MDC MASTER ID LISTING BY PERFORMING WORKCENTER — PCN SG001B154

END-ITEM-IDENTITY	FME-SN	NUMBER	CL	DWG	UC	CUL	WUC	PWC	FME	EWW	DATE-DUE	N	ALC	E T	E C	Q	AS CD	S T
52106GGC123	09205	AHA024	PA	A3400	UJ	000000	ZGH00	A4500	180	24.0	75022		AGMC	F	3			D
52106GGC111	66483	AHA014	PA	A4500	UJ	000000	ZGH00	A4500	180	24.0	75014		AGMC	F	3			D
52106GGC111	04031	AHA015	PA	A4500	UJ	000000	ZGH00	A4500	180	24.0	75015		AGMC	F	3			D
52106GGC111	57489	AHA023	PA	A4500	UJ	000000	ZGH00	A4500	180	24.0	75021		AGMC	F	3			D
52106GGC111	05073	AHA016	PA	A4500	UJ	000000	ZGH00	A4500	180	24.0	75017		AGMC	F	3			D
52106GGC111	04426	AHA022	PA	A4500	UJ	000000	ZGH00	A4500	180	24.0	75018		AGMC	F	3			D
52106GGC111	04482	AHA021	PA	A4500	UJ	000000	ZGH00	A4500	180	24.0	75019		AGMC	F	3			D
52106GGC111	05382	AHA020	PA	A3400	UJ	000000	ZGH00	A4500	180	24.0	75020		AGMC	F	3			D
52106GGC111	13692	AHA025	PA	A4500	UJ	000000	ZGH00	A4500	180	24.0	75023		AGMC	F	3			D
52106GGC111	17346	AHA026	PA	A4500	UJ	000000	ZGH00	A4500	180	24.0	75024		AGMC	F	3			D
5985DA146V	00003	AHA017	PA	A4500	UJ	K00342	YE000	A4500	NLR	1.0				F	3			
6625ANURM105P	02581	AHA003	PA	A4500	UJ	K1V1A1	ZGH00	A4500	080	1.0	75004	N		F	4			S
6625ANURM105C	12087	AHA002	PA	A4500	UJ	K1V1J1	YMT2A	A4500	040	1.0	75003			F	4			
6625ANURM105C	00315	AHA004	PA	A4500	UJ	K1V1J1	YMT2A	A4500	040	1.0	75005	N		F	4			
6625ANURM105C	08650	AHA005	PA	A4500	UJ	K1V1J1	YMT2A	A4500	040	1.0	75006			F	4			
6625ANURM105C	12923	AHA007	PA	A4500	UJ	K1V1J1	YMT2A	A4500	040	1.0	75016			F	4			M
6625ANURM12	00200	AHA008	PA	A4500	UJ	K1V1A1	XS800	A4500	M36	1.0	75009			F	4			
6625ANURM13	03980	AHA009	PA	A4500	UJ	K1V1J1	WC000	A4500	M24	1.0	75007			F	4			
6625ANURM14	00058	AHA001	PA	A4500	UJ	K1V1J1	XT400	A4500	M17	1.0	75007			F	4			
6625ANURM14	00003	AHA011	PA	A4500	UJ	K1V1J1	XT400	A4500	120	1.0	75011			F	4			
6625ANURM160	00115	AHA012	PA	A4500	UJ	K1V1J1	ZAAAT	A4500	140	1.0	75012			F	4			
6625FR0U	00031	AHA018	PA	A4500	UM	K30028	WH040	A4500	CBU					F	3			
6625LA545-5PCA	00075	AHA027	PA	A4500	UJ	000000	XW910	A4500	150	24.0	75025		WRAL	F	4			D
6625LA545-5PCA	01426	AHA028	PA	A4500	UJ	000000	XW410	A4500	150	24.0	75026		WRAL	F	4			D

PCN SG0018154 — PAGE 4 — DISTRIBUTE TO WORKCENTER A4500 — PAGE 1

Figure 5-9. MDC Master ID Listing by Performing Workcenter.

PREPARED 75 MAR 06 — MDC EQUIPMENT SCHEDULE PART 1 BY PWC — AS OF 75 JAN 01 — PCN SG001B162

PWC Y6540

—ID— NUMBER	-END-ITEM-IDENTITY--	SER NO—	-OWC-	REF-TO	N	CC	C	-WUC-	EMH-	ALC-	-DUE-	FRE	CL	STATUS / REMARKS
YKW001	AA0001		Y6540			0Y	A	03107			75072	007	XX	
YKW002	AA0002		Y6540			0Y	A	03107			75072	007	XX	
								*	.0		2*			
YKW024	GTA006A 00000024		Y6540			0Y	A	03107			75076	007	E9	
								*	.0		1*			
YKW003	AA0003		Y6540			0Y	A	03107			75077	007	XX	
								*	.0		1*			
YKW001	AA0001		Y6540			0Y	A	03107			75079	007	XX	
YKW002	AA0002		Y6540			0Y	A	03107			75079	007	XX	
								*	.0		2*			
YKW024	GTA006A 00000024		Y6540			0Y	A	03107			75083	007	E9	
								*	.0		1*			
YKW003	AA0003		Y6540			0Y	A	03107			75084	007	XX	
YKW003	AA0003		Y6540			0Y	A	03128			75084	028	XX	
								*	.0		2*			
YKW001	AA0001		Y6540			0Y	A	03107			75086	007	XX	
YKW001	AA0001		Y6540			0Y	A	03128			75086	028	XX	
YKW002	AA0002		Y6540			0Y	A	03107			75086	007	XX	
								*	.0		3*			
YKW002	AA0002		Y6540			0Y	A	03184			75090	084	XX	
YKW024	GTA006A 00000024		Y6540			0Y	A	03128			75090	028	E9	
YKW024	GTA006A 00000024		Y6540			0Y	A	03107			75090	007	E9	
								*	.0		3*			
								**	4.0		45**			

Figure 5-10. MDC Equipment Schedule Part 1 by PWC.

PREPARED 75 FEB 01 MDC EQUIPMENT SCHEDULE PART 2 BY OWC AS OF 75 JAN 01 PCN SG0018163

OWC Q2100

REQUESTED BY CHIEF OF MAINT Q

--ID-- NUMBER	-END-ITEM-IDENTITY--	SER NO---	-PWC-	REF-ID	N	CC	C	-WUC-	EMH-	ALC-	-DUE-	FRE	CL	STATUS / REMARKS
QHA004	4920WM1A	49058	Q2100			QQ	2	ZADQP	2.0		74187	180	PA	NOT UPDATED
QHA002	6625ANARM47	00145	Q2100			QQ	2	ZAADR	1.0		74277	180	PA	NOT UPDATED
QHA001	6625ANASM182	03974	Q2100			QQ	2	ZAAHV	1.0		74310	180	PA	NOT UPDATED

PCN SG0018163 PAGE 56 DISTRIBUTE TO WORKCENTER Q2100 END PAGE 1

Figure 5-11. MDC Equipment Schedule Part 2 by OWC.

PREPARED 75 MAR 10 MDC ORGANIZATIONAL MASTER RECORD UPDATE LISTING PCN SG001B172

ORG CST	CM CD	ORGANIZATION NUMB	KIND	TYPE	STATION LOCATION CODE	MAJOR CMD CD	REPORTS REQUIRED 5555555555555555555 0000000122223333344 1234567112351235612	HOST BASE IND	MCS IND CD	ADD DEL CD	CARD CODE	COMMENTS AND/OR ERROR STATEMENTS
ORG	Q	10	AAS	SQ	TYMX	OQ	••••••••••••••••••••		M		X	ADDED 17 SEP 74
ORG	S	6570	ABS	GP	TYMX	OH	••••••••••••••••••••		M		X	ADDED 17 SEP 74
ORG	Y	1920	CMN	SQ	TYMX	OY	••••••••••••••••••••				X	ADDED 17 SEP 74
ORG	1	1357	OMS	SQ	TYND	OJ	••••••••••••••••••••	H	M		X	ADDED 10 MAR 75

LIST OF MDC ORGANIZATIONAL MASTER RECORDS AS OF THE PREPARED DATE

PCN SG001B172 END PAGE 3 DISTRIBUTE TO CHIEF OF MAINT 1 END PAGE

Figure 5-12. MDC Organizational Master Record Update Listing.

```
LABEL200150 OABD18L 001750870175088                    NBD180

PREPARED 75 MAR 28                                MDC MASTER FILE INVALID DATA                    PCN SG0018181

THE FOLLOWING RECORDS HAVE BEEN REMOVED FROM THE MDC MASTER FILE DUE TO A CHANGE IN THE
  EQ-CL/MDS CODES AND/OR WORKCENTER CODES REF TO OO-20-2 DTD  1 JUL 75

0J          AG1487AF1004520DJA1487     AF3410                                    W *
                                       --
0J          AG1488AF1004520DJA1488     AF3410                                    W *
                                       --
0J          AX0011 J0085005  68009011  TF3210                        T037A      T *
                                       --
0J          AX0012 J0085005  68009012  TF3210                        T038A      T *
                                       --

PCN SG0018181                          PAGE    1          DISTRIBUTE TO CHIEF OF MAINT A    END PAGE
```


Figure 5-13. MDC Master File Invalid Data.

PREPARED 74 DEC 15 — MDC MASTER TABLES AND CODES — PCN SG0018182 — AFUSDC TABLE DATE 74 DEC 15

VALID EQUIPMENT CLASSIFICATION CODES

A HH GCH003E
A HH GHH003E
A HH JCH003E
A HH JHH003E
A HH NCH003E
A HH NHH003E
A HJ U010
A HJ GU010
A HJ JU010
A HJ NU010
A HK *
A HM U003
A HM GU003
A HM JU003
A HM NU003
A HN U004
A HN GU004
A HN JU004
A HN NU004
A HP HU016
A HP GHU016
A HP JHU016
A HP NHU016
A HR *
A HS U006

A HS GU006
A HS JU006
A HS NU006
A HT *
A HU CHC03B
A HU GCHC03B
A HU JCHC03B
A HU NCHC03B
A HW CHC03C
A HW HHC03B
A HW HHC03C
A HW GCHC03C
A HW GHHC03B
A HW GHHC03C
A HW JCHC03C
A HW JHHC03B
A HW JHHC03C
A HW NCHC03C
A HW NHHC03B
A HW NHHC03C
A HX *
A HY UHC01N
A HY GUHC01N
A HY JUHC01N
A HY NUHC01N

A HZ *
A H1 UV010
A H1 GUV010
A H1 JUV010
A H1 NUV010
A H2 U007A
A H2 GU007A
A H2 JU007A
A H2 NU007A
A H4 U002
A H4 GU002
A H4 JU002
A H4 NU002
A TA T028
A TA GT028
A TA JT028
A TA NT028
A TB T029A
A TB T029B
A TB CT029A
A TB NT029A
A TB NT029B
A TB VT029A
A TB VT029B
A TB VT029E

A TB NVT029A
A TB NVT029B
A TC T033
A TC GT033
A TC JT033
A TC NT033
A TE T037
A TE GT037
A TE JT037
A TE NT037
A TF T038
A TF GT038
A TF JT038
A TF NT038
A TG T039
A TG GT039
A TG JT039
A TG NT039
A TG VT039
A TH T043
A TJ T041
A TJ GT041
A TJ JT041
A TJ NT041
A TK T037

PCN SG0018182 — PAGE 60 — DISTRIBUTE TO CHIEF OF MAINT S — PAGE 9

Figure 5-14. MDC Master Tables and Codes.

```
PREPARED 75 DEC 31                          MDC DAILY TRANSACTION ERROR LISTING                    PCN SG0018302
                                                RUN NO. 02 FOR DEC 75

AFTO FORM 349 BLOCKS
---1--- --2-- ---3---- ---4--- -5- --6-- -8-- 22- A B --C-- D E -F- G- -H-- ---I--- J K L- M(TYPE 1)
2547414 A2510 37A62000 NONAE   AHX                C 0 03200          01 1000 2541100 1 1 02
COMMAND CODE NOT IAW AFM 300-4 VOL XII ADE MA-360 OR CC-453.

AFTO FORM 349 BLOCKS
---1--- --2-- ---3---- --6-- 22- A B --C-- D E -F- G- -H-- ---I--- J K L- M(TYPE 2)
2521236 A2510 AX9113              L 1 21A00 A D 167 00 0000 2520000 0 1
ID NUMBER NOT IN MASTER FILE.
CREW SIZE (CC 76) MUST BE "0" FOR BENCH CHK/REPAIR OF COMPLETE ENGINE; UNITS MUST BE "01".
IF EITHER START/STOP TIME "0000" UNIT MUST BE "01" AND CREW SIZE MUST BE ZERO (INDICATES PKG CREDIT)

AFTO FORM 349 BLOCKS
---1--- --2-- ---3---- -5- -19- ------20------- ----21---- 22- A B --C-- D E -F- G- -H-- ---I--- J K L- M(TYPE 3)
26ORJET A2510          JEH 1920 OFFEQUIPMENT              587 B 0 AH100 X F 799 01 0800 2600900 2 1 0J
FIRST THREE JCN NOT 001-366 4TH CANNOT BE "I" OR "O",LAST FOUR MUST BE ALPHANUMERIC

AFTO FORM 349 BLOCKS
---1--- --2-- ---3---- ---4--- -5- --6-- -8-- 22- A B --C-- D E -F- G- -H-- ---I--- J K L- M(TYPE 4)
2521235 A2510 AINDLB                              LEV00          0700 2521600 2 1
INDIRECT LABOR WUC MUST BE "LVE" "ALT" "CMP" "DIL" OR "TRN" AND LAST TWO DIGITS MUST BE NUMERIC.

AFTO FORM 349 BLOCKS
---1--- --2-- ---3---- -5- 22- A B --C-- -I- 29A- ------29B------ -29C- ---29D--- 29E 29F(TYPE 5)
2641234 A2510 AA0111       123 B   23JET 269 1988 BITURPIECE      23BIT 381       361 02
WORK UNIT CODE MUST BE ALPHANUMERIC. CANNOT CONTAIN "I" OR "O".

AFTO FORM 349 BLOCKS
---1--- --2-- ---3---- -5- -19- ------20------- ----21---- 22- ------23------- ----24---- -25-- A B --C-- D E -F- -I- RE/IN(TYPE 6)
2531231 A2510          AHG                         129 974-8478      36274      00000 B 0 41794 0       253  IN
BLK 21 (REMOVED) OR BLK 24 (INSTALLED) SERIAL NUMBER (ALL 10 POSITIONS) NOT ALPHANUMERIC.

AFTO FORM 349 BLOCKS
---1--- --2-- ---3---- ---4--- -5- 10/12 11/13- 22- A B R/I -1-(TYPE 7)
2531230 A2510 SA1122              00010 SX7446 250 B 1  I   53
STOP DAY MUST BE 001 THRU 366 AND CANNOT BE GREATER THAN PROCESSING DATE.
ENGINE ID  NOT IN MASTER FILE.

PCN SG0018302                                END PAGE   1          DISTRIBUTE TO WORKCENTER A2510   END PAGE 1
```

Figure 5-15. MDC Daily Transaction Error Listing.

PREPARED 75 DEC 31

MDC SCHEDULE UPDATE LISTING
RUN NO. 02 FOR DEC 75

PCN SG0018304

AFTO FORM 349 BLOCKS
********** THE FOLLOWING DLA RECORDS HAVE BEEN UPDATED TO THE NEW DATE DUE INDICATED **********

-OWC-	--ID-- NUMBER	-WUC-	TRANS DAY	NEW DATE-DUE
A4500	AHA014	YEX00	254	76069
A4500	AHA016	YEX33	254	75344
A4500	AHA019	12345	254	76069

PCN SG0018304

END PAGE 15

DISTRIBUTE TO WORKCENTER A4500

END PAGE 1

Figure 5-16. MDC Schedule Update Listing.

PREPARED 75 DEC 31 — MDC DAILY TRANSACTION LISTING SECTION A — PCN $G001B321

(ON EQUIPMENT)

RUN NO. 01 FOR DEC 75

FG CL	D C	C M	PROJC	A T	W D	MDW MAL	PROC	T M	TOTAL MANHOURS	ID NUMBER	ENV	ITEM	IDENTITY	TYPE SER	SRT NO.	STRT HOUR	STRT DAY	STOP HOUR	C S	C L	CC AI	JCN	TAG	S C	I D	SEQ NO
ACG	A		14FLT	P	A	381	A211A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	3	A2	339TST2		1		00001
ACG	A		14FLT	P	A	381	A211A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	1	A2	339TST2		1		00002
ACG	A		14FLT	P	A	381	A211A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	3	A2	339TST2		1		00003
ACG	A		14FLT	P	A	381	A211A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	1	A2	339TST2		1		00004
ACG	A		14FLT	P	A	381	A211A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	2	A2	339TST2		1		00005
ACG	A		14FLT	P	A	381	A211A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	6	A2	339TST2		1		00006
ACG	A		14FLT	P	A	381	A211A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	4	A2	339TST2		1		00007
ACG	A		14FLT	P	A	381	A9D1A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	1	A2	339TST2		1		00008
ACG	A		14FLT	P	A	381	A9D1A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	1	A2	339TST2		1		00009
ACG	A		14FLT	P	A	381	A9D1A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	3	A2	339TST2		1		00010
ACG	A		14FLT	P	A	381	A9D1A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	1	A2	339TST2		1		00011
ACG	A		14FLT	P	A	381	A9D1A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	3	A2	339TST2		1		00012
ACG	A		14FLT	P	A	381	A9D1A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	2	A2	339TST2		1		00013
ACG	A		14FLT	P	A	381	A9D1A	L	0.7	AA3233	VC41	8A	55003235			1110	316	1130	2	4	A2	339TST2		1		00014
								14	9.8	*																
								14	9.8	**																
								14	9.8	***																
								14	9.8	****																
ACG	B		81105	G	M	108	A211A	M	2.0	AA3233	VC41	8A	55003235			1100	330	1200	2	3	A2	339TST2	217	1		00015
ACG	B		81105	G	M	108	A211A	M	2.0	AA3233	VC41	8A	55003235			1100	330	1200	2	1	A2	339TST2	217	1		00016
ACG	B		81105	G	M	108	A211A	M	2.0	AA3233	VC41	8A	55003235			1100	330	1200	2	2	A2	339TST2	217	1		00017
ACG	B		81105	G	M	108	A211A	M	2.0	AA3233	VC41	8A	55003235			1100	330	1200	2	3	A2	339TST2	217	1		00018
ACG	B		81105	G	M	108	A211A	M	2.0	AA3233	VC41	8A	55003235			1100	330	1200	2	1	A2	339TST2	217	1		00019
ACG	B		81105	G	M	108	A211A	M	2.0	AA3233	VC41	8A	55003235			1100	330	1200	2	6	A2	339TST2	217	1		00020
ACG	B		81105	G	M	108	A211A	M	2.0	AA3233	VC41	8A	55003235			1100	330	1200	2	4	A2	339TST2	217	1		00021
								7	14.0	*																
								7	14.0	**																
								7	14.0	***																
								7	14.0	****																
								21	23.8	*****																
ACT	A		13LOG	P	F	381	A250U	Y	1.0	AA9999	C431	8P	53000749			0800	002	0900	1	2	OH	3A9TST4		1		00022
ACT	A		13LOG	P	F	381	A250U	Y	1.0	AA9999	C431	8P	53000749			0800	002	0900	1	3	OH	3A9TST4		1		00023
ACT	A		13LOG	P	F	381	A250U	Y	1.0	AA9999	C431	8P	53000749			0800	002	0900	1	4	OH	3A9TST4		1		00024
ACT	A		13LOG	P	F	381	A250U	Y	1.0	AA9999	C431	8P	53000749			0800	002	0900	1	1	OH	3A9TST4		1		00025
ACT	A		13LOG	P	F	381	A250U	Y	1.0	AA9999	C431	8P	53000749			0800	002	0900	1	2	OH	3A9TST4		1		00026
ACT	A		13LOG	P	F	381	A250U	Y	1.0	AA9999	C431	8P	53000749			0800	002	0900	1	1	OH	3A9TST4		1		00027
ACT	A		13LOG	P	F	381	A250U	Y	1.0	AA9999	C431	8P	53000749			0800	002	0900	1	3	OH	3A9TST4		1		00028
								7	7.0	*																
								7	7.0	**																
								7	7.0	***																
								7	7.0	****																
								7	7.0	*****																

PCN $G001H321 — PAGE 1 — DISTRIBUTE TO CHIEF OF MAINT A — PAGE 1

Figure 5-17. MDC Daily Transaction Listing Section A. (On-equipment)

PREPARED 75 DEC 31 — MDC DAILY TRANSACTION LISTING SECTION B (OFF EQUIPMENT) RUN NO. 01 FOR DEC 75 — PCN SG0018322

EQ= PL	D C C M	=MUC=	A T	W D	MDN MAL	=P4C=	T M	=UP=	TOTAL MANHOURS	=ID= NUMBER	FSC=	PART NUMBER====	TIME= SERIAL NO.	START HOUR	START DAY	STOP= HOUR	STOP= DAY	C S	C L	CC AI	=JCN=	TAG	S D	I	SE0= NO===
ATF	E	11SKN	F	D	103	A211A	H	1	2.0	AA0113	1370	OFFSPARE		1000	330	1100	2	1		AY	339TST2	777		3	00321
ATF	E	11SKN	F	D	103	A211A	H	1	2.0	AA0113	1370	OFFSPARE		1000	330	1100	2	4		AY	339TST2	777		3	00322
ATF	E	11SKN	F	D	103	A211A	H	1	2.0	AA0113	1370	OFFSPARE		1000	330	1100	2	1		AY	339TST2	777		3	00323
ATF	E	11SKN	F	D	103	A211A	H	1	2.0	AA0113	1370	OFFSPARE		1000	330	1100	2	6		AY	339TST2	777		3	00324
ATF	E	11SKN	F	D	103	A211A	H	1	2.0	AA0113	1370	OFFSPARE		1000	330	1100	2	3		AY	339TST2	777		3	00325
ATF	E	11SKN	F	D	103	A211A	H	1	2.0	AA0113	1370	OFFSPARE		1000	330	1100	2	3		AY	339TST2	777		3	00326
ATF	E	11SKN	F	D	103	A211A	H	1	2.0	AA0113	1370	OFFSPARE		1000	330	1100	2	2		AY	339TST2	777		3	00327
								7	14.0	*															
								7	14.0	**															
								7	14.0	***															
								7	14.0	****															
ATF	G	14021	B	A	801	A321U	T	10	0.5	AA9999	5826	691-4890		1000	090	1030	1	1		00	349TCTD			3	00328
ATF	G	14021	B	A	801	A321U	T	1	0.5	AA9999	5826	691-4889	005R260001	1000	090	1030	1	1		00	349TCTD			3	00329
ATF	G	14021	B	A	802	A321U	T	0	0.5	AA9999	5826	691-4889	005R260001	1000	090	1030	1	1		00	349TCTD			3	00330
ATF	G	14021	B	A	802	A321U	T	0	0.5	AA9999	5826	691-4890		1000	090	1030	1	1		00	349TCTD			3	00331
								11	2.0	*															
								11	2.0	**															
								11	2.0	***															
								11	2.0	****															
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	3		AY	339TST2	777		3	00332
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	1		AY	339TST2	777		3	00333
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	4		AY	339TST2	777		3	00334
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	4		AY	339TST2	777		3	00335
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	3		AY	339TST2	777		3	00336
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	3		AY	339TST2	777		3	00337
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	3		AY	339TST2	777		3	00338
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	1		AY	339TST2	777		3	00339
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	4		AY	339TST2	777		3	00340
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	1		AY	339TST2	777		3	00341
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	6		AY	339TST2	777		3	00342
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	1		AY	339TST2	777		3	00343
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	2		AY	339TST2	777		3	00344
ATF	E	81UTL	F	E	002	A211A	W	1	1.0	AA0113	1370	OFFSPARE		0900	326	1000	1	2		AY	339TST2	777		3	00345
								14	14.0	*															
								14	14.0	**															
								14	14.0	***															
								14	14.0	****															
								32	30.0	*****															

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Figure 5-18. MDC Daily Transaction Listing Section B. (Off-equipment)

PREPARED 75 DEC 31 MDC DAILY TRANSACTION LISTING SECTION C PCN $G00183Z3

(SUPPORT GENERAL)

RUN NO. 01 FOR DEC 75

EQ= CL	D C	C P	=WUC=	=PWC=	T M	---TOTAL--- =UM=	MANHOURS	--ID-- NUMBER	=END-ITEM=	IDENTITY	SHT NO.	STRT HOUR	--STOP-- DAY	HOUR	C S	L	CC AI	--JCN--	TAG	S C	I D	SEQ= NO===
ATG	M	03100	A211A	C	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	1	A1	339T&T2			1	00517
ATG	M	03100	A211A	C	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	1	A1	339T&T2			1	00518
ATG	M	03100	A211A	D	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	1	A1	339T&T2			1	00519
ATG	M	03100	A211A	D	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	1	A1	339T&T2			1	00520
ATG	M	03100	A211A	D	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	2	A1	339T&T2			1	00521
ATG	M	03100	A211A	D	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	3	A1	339T&T2			1	00522
ATG	M	03100	A211A	C	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	3	A1	339T&T2			1	00523
ATG	M	03100	A211A	C	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	5	A1	339T&T2			1	00524
ATG	M	03100	A211A	C	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	2	A1	339T&T2			1	00525
ATG	M	03100	A211A	D	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	5	A1	339T&T2			1	00526
ATG	M	03100	A211A	C	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	3	A1	339T&T2			1	00527
ATG	M	03100	A211A	D	A	4.0	AA2222	T039A	68002222			1600	333	1800	2	3	A1	339T&T2			1	00528
					36	54.0	*															
					36	54.0	**															
					36	54.0	***															
ATG	M	03210	A211D	C	2	4.0	AA2222	T039A	68002222			1400	324	1600	3	3	A1	339T&T2			1	00529
ATG	M	03210	A211D	C	2	4.0	AA2222	T039A	68002222			1400	324	1600	3	2	A1	339T&T2			1	00530
ATG	M	03210	A211D	C	2	4.0	AA2222	T039A	68002222			1400	324	1600	3	1	A1	339T&T2			1	00531
ATG	M	03210	A211D	C	2	4.0	AA2222	T039A	68002222			1400	324	1600	3	2	A1	339T&T2			1	00532
ATG	M	03210	A211D	C	2	4.0	AA2222	T039A	68002222			1400	324	1600	3	1	A1	339T&T2			1	00533
ATG	M	03210	A211D	C	2	4.0	AA2222	T039A	68002222			1400	324	1600	3	4	A1	339T&T2			1	00534
ATG	M	03210	A211D	C	2	4.0	AA2222	T039A	68002222			1400	324	1600	3	3	A1	339T&T2			1	00535
					18	42.0	*															
					18	42.0	**															
					18	42.0	***															
					70	98.0	****															
					91	182.0	*****															
A08	M	01000	A2500	Y	1	4.0	AA9999	C005A	70000147			0700	044	0900	3	4	A0	349T&T4			1	00536
A08	M	01000	A2500	Y	1	4.0	AA9999	C005A	70000147			0700	044	0900	3	3	A0	349T&T4			1	00537
A08	M	01000	A2500	Y	1	4.0	AA9999	C005A	70000147			0700	044	0900	3	1	A0	349T&T4			1	00538
A08	M	01000	A2500	Y	1	4.0	AA9999	C005A	70000147			0700	044	0900	3	3	A0	349T&T4			1	00539
A08	M	01000	A2500	Y	1	4.0	AA9999	C005A	70000147			0700	044	0900	3	1	A0	349T&T4			1	00540
A08	M	01000	A2500	Y	1	4.0	AA9999	C005A	70000147			0700	044	0900	3	2	A0	349T&T4			1	00541
A08	M	01000	A2500	Y	1	4.0	AA9999	C005A	70000147			0700	044	0900	3	1	A0	349T&T4			1	00542
					7	42.0	*															
					7	42.0	**															
					7	42.0	***															
					7	42.0	****															
					7	42.0	*****															
6AA	M	01000	A2210	A	4	8.0	AA0001	AA200GRUUPFDAGE				0800	334	0900	3	3	A3	339T&T2			1	00543

Figure 5-19. MDC Daily Transaction Listing Section C.
(Support General)

PREPARED (5 DEC 31 — MDC DAILY TRANSACTION LISTING SECTION D. — PCN SG0018324

(INDIRECT LABOR)

RUN NO. 01 FOR DEC 75

-WUC-	-PWC-	START HOUR	--STOP-- DAY HOUR	C S	L	TOTAL--- MANHOURS		--JCN--	SEQ-- NO---
ALT00	A211A	0800	02A 1800	3	1	36.0		0241234	00728
ALT00	A211A	0800	02A 1800	2	1	16.0		0243456	00729
ALT00	A211A	0800	02A 1800	3	1	24.0		0241245	00730
ALT00	A211A	0800	02A 1800	4	1	32.0		0241261	00731
						108.0	*		
						108.0	**		
LVF00	A211A	0800	352 1600	2	1	16.0		3A9TST2	00732
						16.0	*		
LVF01	A211A	0800	352 1600	3	3	24.0		3A9TST2	00733
						24.0	*		
LVF08	A211A	0800	352 1600	1	3	8.0		3A9TST2	00734
						8.0	*		
LVF09	A211A	0800	352 1600	1	1	8.0		3A9TST2	00735
						8.0	*		
						56.0	**		
TRN00	A211A	0700	02A 1000	2	1	2.0		0241245	00736
TRN00	A211A	0800	02A 1000	2	1	4.0		0243452	00737
TRN00	A211A	0800	02A 1100	2	3	6.0		0241354	00738
						12.0	*		
						12.0	**		
						176.0	***		

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Figure 5-20. MDC Daily Transaction Listing Section D.
(Indirect Labor)

(PARTS REPLACED)
RUN NO. 01 FOR DEC 75

EQ-CL	-BIT-WUC-	REFERENCE SYMBOL--	MAN HAL	QTY	FSC	--PART NUMBER--	--IV-- NUMBER	END ITEM--	PART NUMBER OR SERIAL NUMBER--	-PWC-	--JCN--	TAG	T M	C R	COMP -WUC-	DAY	SEQ-- NO---
ATE	13LD4		100	1	1190	123PART	AA0Y90	1190	123PART	A2500	300TEST	222	B		13LD6	352	00739
				1	*												
ATE	13LD4		100	1	1190	128PART	AA0Y90	1190	128PART	A2500	300TEST	222	B		13LD6	352	00740
				1	*												
ATE	13LD4		100	1	1190	127PART	AA0Y90	1190	127PART	A2500	300TEST	222	B		13LD6	352	00741
ATE	13LD4		100	1	1190	125PART	AA0Y90	1190	125PART	A2500	300TEST	222	B		13LD6	352	00742
ATE	13LD4		100	1	1190	127PART	AA0Y90	1190	127PART	A2500	300TEST	222	B		13LD6	352	00743
ATE	13LD4		100	1	1190	127PART	AA0Y90	1190	127PART	A2500	300TEST	222	B		13LD6	352	00744
				8	*												
				8	**												
				8	***												
ATE	23811	020	3R0	60	1988	BTTONBTFCE	AA0411	T037A	650U0111	A3210	26A1234	123	B		23JE7	269	00745
ATE	23811	381	3R1	2	1988	BTTONBTFCE	AA0411	T037A	650U0111	A3210	26A1234	123	B		23JE7	269	00746
ATE	23811	282	3R1	2	1988	BTTONBTFCE	AA0411	T037A	650U0111	A3210	26A1234	123	B		23JE7	269	00747
ATE	23811	911	3R1	2	1988	BTTONBTFCE	AA0411	T037A	650U0111	A3210	26A1234	123	B		23JE7	269	00748
ATE	23811	709	3R1	2	1988	BTTONBTFCE	AA0411	T037A	650U0111	A3210	26A1234	123	B		23JE7	269	00749
ATE	23811	911	3R1	2	1988	BTTONBTFCE	AA0411	T037A	650U0111	A3210	26A1234	123	B		23JE7	269	00750
ATE	23811	709	3R1	2	1988	BTTONBTFCE	AA0411	T037A	650U0111	A3210	26A1234	123	B		23JE7	269	00751
ATE	23811	155	3R1	25	1988	BTTONBTFCE	AA0411	T037A	650U0111	A3210	26A1234	123	B		23JE7	269	00752
ATE	23811	155	3R3	74	1988	BTTONBTFCE	AA0411	T037A	650U0111	A3210	26A1234	123	B		23JE7	269	00753
				101	*												
				101	**												
				101	***												
GYR	AH991		092	4	1880	AGEPART	AG0U60	AC400	174U360DHW0060	A3400	339TST2	444	B		AH9D0	388	00754
				4	*												
				4	**												
				4	***												
				171	****												

Figure 5-21. MDC Daily Transaction Listing Section E.
(Parts Replaced)

PREPARED 75 DEC 31 — MDC DAILY TRANSACTION LISTING SECTION F — PCN SG0018326

(SERIALLY CONTROLLED AND TIME CHANGE REMOVE AND REPLACE)

RUN NO. 01 FOR DEC 75

EQ-CL	T M	C P	-FUC-	A T	W D	MOW MAL	-PWC-	FSC "TAG	PART NUMBER REMOVED OR INST	SERIAL NO.	TAG-- TIME	--JCN--	RF TN	DAY	--ID-- NUMBER	END ITEM---	PART NUMBER OR SERIAL NUMBER--	I D	SEQ-- NO---
ACG	M		65HYD	P	M	381	A2300	1860	PART	1234500V00	111	339TST2	RE	326	AA3233	VC118A	55003033	6	00755
ACT	M		65HYD	P	M	381	A2300	1860	PART	1234500V00	111	339TST2	RE	326	SA1875	C1318	55001875	6	00756
ACG	M		65HYD	P	M	381	A2300	1860	PART	1234500V00	111	339TST2	RE	326	SA1122	AC130A	64001122	6	00757
AMG	M		65HYD	P	M	381	A2300	1860	PART	1234500V00	111	339TST2	RE	326	QA7777	HH043A	62007777	6	00758

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Figure 5-22. MDC Daily Transaction Listing Section F. (Serially-Controlled and Time Change Remove and Replace)

EQ= CL	--ID-- NUMBER	-END-ITEM-IDENTITY--		ENG-ID NUMBER	ENG TIME=	C R	I	T M	-PWC=	DAY	--JCN--	TAG	I D	SEQ-- NO---
ATF	AA0111	J0049042	68009008	AY0008	1011	1	R	R	A211A	335	339TST2	222	7	00750
ATF	AA0112	J0085042	68009011	AY0011	2022	1	I	R	A211A	327	339TST2	223	7	00760

Figure 5-23. MDC Daily Transaction Listing Section G.
(Engine Remove and Replace)

PREPARED 75 MAR 18 — MDC MONTHLY TRANSACTION LISTING SECTION A (ON EQUIPMENT) — AS OF 75 FEB 28 — PCN SG0018501

EQ-CL	D C P	-WUC-	A T	W D	MOW MAL	T -PWC- M	----TOTAL----- -UP-	MANHOURS	--ID-- NUMBER	-END-ITEM-IDENTITY--	TIME-SER--	SRT NO.	START HOUR	DAY	STOP-- HOUR	C S	C L	CC AI	--JCN--	TAG	$ C	I D
ATC	C	97ACA	R	M	803	C3390 P	1	4.5	CAC619	T033A 58000619			1530	027	1700	3	1		0232001	612		1
ATC	C	97ACA	R	M	803	C3390 P	1	3.0	CA0619	T033A 58000619			1700	027	1800	3	1		0232001	618		1
ATC	C	97ACA	R	M	803	C3390 P	1	3.0	CA0619	T033A 58000619			1800	027	1900	3	1		0232001	619		1
ATC	C	97ACA	R	M	803	C3390 P	1	6.5	CA0713	T033A 57000713			0710	034	0920	3	1		C20V101	826		1
							4	17.0	*													
							4	17.0	**													
ATC	C	97ACD	R	M	803	C3390 P	1	6.0	CAC675	T033A 58000675			1200	035	1400	3	1		0340002	712		1
							1	6.0	*													
							1	6.0	**													
ATC	C	97ACE	R	M	803	C3390 P	1	5.0	CA0619	T033A 58000619			1430	027	1545	4	1		0232001			1
ATC	C	97ACE	R	M	803	C3390 P	1	6.0	CA0619	T033A 58000619			1300	027	1430	4	1		0232001			1
							2	11.0	*													
							2	11.0	**													
							7	34.0	***													
							7	34.0	****													
							567	1805.8	*****													
ATE	A	63000	P	D	693	C4110 Y	1	1.8	CA9999	T037A 60000107			0215	032	0310	2	1	OJ	0311402			1
ATE	A	63000	R	B	692	C4110 Y	1	3.8	CA9999	T037A 60000107			1120	032	1315	2	1	OJ	0321005			1
							2	5.6	*													
ATE	C	63000	Q	D	799	C4110 Y	1	2.7	CA9999	T037A 60000107			0510	032	0630	2	1	OJ	0311402			1
ATE	C	63000	X	D	799	C4110 Y	1	3.0	CA9999	T037A 60000107			0700	032	0830	2	1	OJ	0311402			1
							2	5.7	*													
							4	11.3	**													
							4	11.3	***													
							4	11.3	****													
							4	11.3	*****													
ATF	A	1 23EBA	R	F	242	C2520 Y	1	3.8	CA9999	T038A 66004326			1405	037	1600	2	3	OJ	0378750			1
							1	3.8	*													
							1	3.8	**													
ATF	A	1 23E80	Y	A	242	C2520 Y	1	2.2	CA9999	T038A 66004326			1300	037	1405	2	3	OJ	0378750			1
							1	2.2	*													
							1	2.2	**													
							2	6.0	***													
							2	6.0	****													
ATF	A	47000	Y	H	381	C2520 Y	1	3.0	CA9999	T038A 64010469			1000	037	1130	2	3	OJ	0378751			1
							1	3.0	*													
							1	3.0	**													
							1	3.0	***													
ATF	A	4711D	R	H	381	C2520 Y	1	3.0	CA9999	T038A 64010469			1130	037	1300	2	3	OJ	0378751			1
							1	3.0	*													
							1	3.0	**													
							1	3.0	***													
							2	6.0	****													
							4	12.0	*****													
TOTAL FOR CHIEF OF MAINT C							4225	12719.2														

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Figure 5-24. MDC Monthly Transaction Listing Section A. (On-equipment)

PREPARED 75 MAR 18 — MDC MONTHLY TRANSACTION LISTING SECTION B (OFF EQUIPMENT) — AS OF 75 FEB 28 — PCN SG0018502

EQ-CL	D C P	-WUC-	A T	W D	HOW MAL	-PWC-	T M	-UP-	TOTAL MANHOURS	IC NUMBER	FSC-	PART NUMBER----	TIME- SERIAL NO.	STRT HOUR	STRT DAY	STOP HOUR	S	L	CC AI	JCN--	TAG	C	S D	I
XTC E		23380	A	M	190	C3120	A	1	4.0	CX5721	2840	6802739-5		1200	035	1400	2	1		2966678			3	
								1	4.0	*														
XTC F	1	23380	B	M	190	C3239	A	1	1.0	CX0499	2840	6806752-4		0900	037	1000	1	1	01	0106678	C10		3	
								1	1.0	*														
								2	5.0	**														
XTC F		23385	B	M	190	C3120	A	1	0.5	CX5721	2840	6726195		1730	034	1800	1	2		2966678			3	
								1	0.5	*														
								1	0.5	**														
								330	133.2	***														
XTC F	1	23418	B	F	190	C3239	B	1	0.3	CX5721	2840	6711911		0700	035	0715	1	1		2966678	355		3	
XTC F		23418	B	M	947	C3120	A	1	0.5	CX5189	2840	6802888		1930	036	2000	1	1		3436674			3	
XTC F	1	23418	B	F	947	C3239	B	3	0.3	CX5721	2840	6802888		0715	036	0730	1	1		2966678	397		3	
								5	1.1	*														
								5	1.1	**														
XTC E		23410	A	M	190	C3120	A	1	2.0	CX0997	2840	6708308		2200	042	2400	1	2		0078802			3	
XTC E		23410	A	M	190	C3120	A	1	4.0	CX5189	2840	6708308		0700	034	0900	2	2		3436674			3	
XTC E		23410	A	M	190	C3120	A	1	3.0	CX5284	2840	6708308		1630	038	1930	1	2		0348813			3	
XTC E		23410	A	M	190	C3120	A	1	4.0	CX5284	2840	6708308		0900	041	1100	2	2		0348813			3	
XTC E		23410	A	M	190	C3120	A	1	4.0	CX5721	2840	6708308		0900	035	1100	2	1		2966678			3	
XTC E		23410	A	M	127	C3110	B	0	0.9	CX5189	2840	6708308		0735	035	0830	1	2		3436674			3	
XTC E		23410	A	M	127	C3110	B	0	0.4	CX5721	2840	6708308		0705	035	0730	1	2		2966678			3	
XTC E		23410	A	F	105	C3110	B	1	2.0	CX0997	2840	6708308		1200	042	1400	1	2		0078802			3	
XTC E		23410	A	F	105	C3110	B	0	2.5	CX5284	2840	6808308		1530	039	1800	1	1		0348813			3	
XTC E		23410	A	F	105	C3110	B	0	5.4	CX5284	2840	6808308		1835	039	2400	1	1		0348813			3	
								6	28.2	*														
								6	28.2	**														
								11	29.3	***														
XTC F	1	23510	B	F	374	C3239	B	1	0.3	CX5189	2915	119100-6		0730	034	0745	1	1		3436674	362		3	
								1	0.3	*														
								1	0.3	**														
								1	0.3	***														
								363	184.7	****														
XTC F		41199	B	M	190	C3239	A	1	0.3	CX8755	1560	179420		0900	034	0920	1	1		0168806	141		3	
								1	0.3	*														
								1	0.3	**														
								1	0.3	***														
								1	0.3	****														
XTC E		42111	A	M	020	C3330	B	0	2.0	CX1920	6115	30843-1A		0900	034	1100	1	2		3576671	016		3	
XTC E		42111	A	M	020	C3330	B	0	4.0	CX1920	6115	30843-1A		1200	034	1600	1	2		3576671	C16		3	
XTC E		42111	A	M	020	C3330	B	1	1.5	CX1920	6115	30843-1A		1430	035	1600	1	2		3576691	C16		3	
XTC E		42111	A	M	720	C3330	A	0	4.3	CX2188	6115	30843-1A		1145	037	1600	1	2		2366691	462		3	
XTC E		42111	A	M	720	C3330	A	1	7.0	CX2188	6115	30843-1A		0700	038	1400	1	2		2366691	462		3	
								2	18.8	*														
XTC F		42111	B	F	799	C3330	A	1	1.4	CX5721	6115	1634-7C		0700	037	0825	1	1		2966678	350		3	
XTC F		42111	B	M	374	C3330	A	1	1.0	CX5721	6115	30843-1A		1000	039	1100	1	2		2966678	437		3	
								2	2.4	*														
								4	21.2	**														
								4	21.2	***														
								4	21.2	****														
								372	215.0	*****														
TOTAL FOR CHIEF OF MAINT C								2009	3351.9															

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Figure 5-25. MDC Monthly Transaction Listing Section B.
(Off-equipment)

PREPARED 75 MAR 18 — MDC MONTHLY TRANSACTION LISTING SECTION C (SUPPORT GENERAL) — AS OF 75 FEB 28 — PCN SG0018503

EQ-CL	D C P	-WUC-	-PWC-	T M	-----TOTAL----- -UP-	MANHOURS	--ID-- NUMBER	-END-ITEM-IDENTITY--	SRT NO.	STRT HOUR	--STOP-- DAY HOUR	C S	C L	CC AI	--JCN--	TAG	S C	I D
BK8	H	03101	B65AT	D	18	0.5	B8X02A	GRTC22 0000002A		0700	034 0715	2	1		0349802			1
BK8	H	03101	B65AT	D	18	0.3	B8X02A	GRTC22 0000002A		0600	035 0610	2	1		0359803			1
BK8	H	03101	B65AT	D	18	1.0	B8X02A	GRTC22 0000002A		0615	036 0645	2	1		0369804			1
BK8	H	03101	B65AT	D	18	1.0	B8X02A	GRTC22 0000002A		0615	037 0645	2	1		0379801			1
BK8	H	03101	B65AT	D	18	1.0	B8X02A	GRTC22 0000002A		0615	038 0645	2	1		0389807			1
BK8	H	03101	B65AT	D	18	1.0	B8X02A	GRTC22 0000002A		0615	041 0645	2	1		0419809			1
BK8	H	03101	B65AT	D	18	1.0	B8X02A	GRTC22 0000002A		0615	042 0645	2	1		0429801			1
BK8	H	03101	B65AT	D	18	1.0	B8X02A	GRTC22 0000002A		0615	043 0645	2	1		0439808			1
					144	6.8	*											
					144	6.8	**											
BK8	H	03114	B65AT	F	18	2.5	B8X02A	GRTC22 0000002A		0815	041 0930	2	1		041A810			1
					18	2.5	*											
					18	2.5	**											
BK8	H	03128	B65AT	F	1	2.0	B8X001	GRTC22 00740001		0730	036 0830	2	1		036A802			1
BK8	H	03128	B65AT	F	1	2.0	B8X002	GRTC22 00740002		0815	037 0915	2	1		037A803			1
BK8	H	03128	B65AT	F	1	2.0	B8X004	GRTC22 00740004		0730	042 0830	2	1		042A804			1
BK8	H	03128	B65AT	F	1	2.0	B8X018	GRTC22 00740018		0620	035 0720	2	1		035A810			1
					4	8.0	*											
					4	8.0	**											
BK8	H	03156	B65AT	F	1	2.0	B8X001	GRTC22 00740001		0830	036 0930	2	1		036A802			1
					1	2.0	*											
					1	2.0	**											
					167	19.3	***											
					167	19.3	****											
BK8	H	0411C	B65AT	S	1	0.5	B8X009	GRTC22 00740009		0945	035 1000	2	1		0359816			1
BK8	H	0411C	B65AT	S	1	0.7	B8X011	GRTC22 00740011		1000	035 1020	2	1		0359817			1
					2	1.2	*											
					2	1.2	**											
					2	1.2	***											
					2	1.2	****											
BK8	H	06000	B65AT	S	1	2.0	B8X02A	GRTC22 0000002A		1300	042 1400	2	1		0429816			1
					1	2.0	*											
					1	2.0	**											
					1	2.0	***											
					1	2.0	****											
					170	22.5	*****											
CTG	H	03107	B65AT	F	1	1.5	BC0015	AA00015		1000	036 1045	2	1		036A803			1
CTG	H	03107	B65AT	F	1	1.5	BC0015	AA00015		0930	043 1015	2	1		043A810			1
					2	3.0	*											
					2	3.0	**											
					2	3.0	***											
					2	3.0	****											
					2	3.0	*****											
TOTAL FOR CHIEF OF MAINT B					1615	758.0												

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Figure 5-26. MDC Monthly Transaction Listing Section C. (Support General)

PREPARED 75 MAR 18 — MDC MONTHLY TRANSACTION LISTING SECTION D (INDIRECT LABOR) — AS OF 75 FEB 28 — PCN SG0018504

-WUC-	-PWC-	STRT HOUR	--STOP-- DAY	HOUR	C S	C L	TOTAL--- MANHOURS		--JCN--
DTL00	Y65A0	0730	038	1530	1	3	8.0		0419999
DTL00	Y65A0	0730	041	1530	2	1	16.0		0419999
							24.0	*	
							24.0	**	
LVE00	Y65A0	0730	038	1530	1	3	8.0		0419999
							8.0	*	
							8.0	**	
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	0730	038	1400	1	1	6.5		0419999
TRN00	Y65A0	1230	041	1630	1	1	4.0		0419999
							127.5	*	
							127.5	**	
							159.5	***	
				TOTAL FOR CHIEF OF MAINT Y			159.5		

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Figure 5-27. MDC Monthly Transaction Listing Section D. (Indirect Labor)

PREPARED 75 MAR 18 MDC MONTHLY TRANSACTION LISTING SECTION E AS OF 75 FEB 28 PCN SG0018505

(PARTS REPLACED)

EQ-CL	-BIT--WUC-	REFERENCE SYMBOL---	HOW MAL	QTY-	FSC-	--PART NUMBER--	--ID-- END NUMBER	ITEM---	PART NUMBER OR SERIAL NUMBER--	-PWC-	--JCN--	TAG	T	C	P	COMP -WUC-	DAY
SSA	74AT1	R5	135	1	5905	960902-303	CS9999	5905	960902-303	C4323	0379017	460	A			22995	038
				1	*												
				2	**												
				2	***												
XFF	23CCB	CHAMBER	190	2	2840	716053	CX0470	J00570	A 0P630470	C3236	3469109	C00	B	1		23Z00	034
				2	*												
				2	**												
XFF	23EAF	VALVE	190	6	2840	506871CL10	CX0470	J00570	A 0P630470	C3236	3469109	C00	B	1		23Z00	034
XFF	23EAF	VALVE	190	4	2840	506871CL8	CX0470	J00570	A 0P630470	C3236	3469109	C00	B	1		23Z00	034
				10	*												
XFF	23EAK	DUCT	190	1	2840	626463	CX0470	J00570	A 0P630470	C3236	3469109	C00	B	1		23Z00	034
				1	*												
XFF	23EBA	CASE	190	1	2840	306205	CX0470	J00570	A 0P630470	C3236	3469109	C00	B	1		23Z00	034
				1	*												
XFF	23EBC	VANE	190	1	2840	303552CL22	CX0470	J00570	A 0P630470	C3236	3469109	C00	B	1		23Z00	034
XFF	23EBC	VANE	190	1	2840	303552CL26	CX0470	J00570	A 0P630470	C3236	3469109	C00	B	1		23Z00	034
				2	*												
XFF	23EBD	ROTOR	020	1	2840	716862	CX0470	J00570	A 0P630470	C3236	3469109	C00	B	1		23Z00	034
				1	*												
				15	**												
XFF	23HAF	PUMP	230	1	2995	233400	CX0470	J00570	A 0P630470	C3236	3469109	C00	B	1		23Z00	034
				1	*												
				1	**												
XFF	23JAF	VALVE	804	1	2995	611637	CX0470	J00570	A 0P630470	C3236	3469109	C00	B	1		23Z00	034
				1	*												
				1	**												
				19	***												
XFN	23DBD	137COMBCH	279	3	2840	536164	CX0829	J00750	0P610829	C3235	027102A	C00	B			23Z00	041
				3	*												
XFN	23DBE	268COMBCH	279	3	2840	536165	CX0829	J00750	0P610829	C3235	027102A	C00	B			23Z00	041
				3	*												
XFN	23DBF	4COMBCHAM	279	1	2840	556534	CX0829	J00750	0P610829	C3235	027102A	C00	B			23Z00	041
				1	*												
XFN	23DBG	5COMBCHAM	279	1	2840	556535	CX0829	J00750	0P610829	C3235	027102A	C00	B			23Z00	041
				1	*												
				8	**												
XFN	23HAA	FUELLTMAN	279	1	2840	657166	CX0829	J00750	0P610829	C3235	027102A	C00	B			23Z00	041
				1	*												
XFN	23HAB	FUELLTMAN	279	1	2840	657167	CX0829	J00750	0P610829	C3235	027102A	C00	B			23Z00	041
				1	*												
				2	**												
XFN	23HAB	HARNESS	334	1	2840	368977	CX0197	J00750	0P610197	C3235	035012A	C00	B			23HAB	041
				1	*												
				1	**												
				11	***												
				305	****												

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Figure 5-28. MDC Monthly Transaction Listing Section E.
(Parts Replaced)

PREPARED 75 MAR 18 MDC MONTHLY TRANSACTION LISTING SECTION F AS OF 75 FEB 28 PCN SG0018506

(SERIALLY CONTROLLED AND TIME CHANGE REMOVE AND REPLACE)

EQ- CL	T M	C P	-WUC-	A T	W D	HOW MAL	-PWC-	FSC -TAG	PART NUMBER REMOVED OR INST	SERIAL NO.	TAG-- TIME	--JCN--	RE IN	--ID-- DAY	NUMBER	END ITEM---	PART NUMBER OR SERIAL NUMBER--	I C
AFF	B		13426	R			C2111	302	05524222	CCCCCC0231	00000	0381549	IN	038	CA0442	F101B	59000442	6
AFF	B		13426	R			C2111	303	00524222	C000000737	00000	0381549	IN	038	CA0442	F101B	59000442	6
AFF	B		13426	R	H	020	C2111	2620	00524222	C000000550	303	0381549	RE	038	CA0442	F101B	59000442	6
AFF	B		13426	R	H	020	C2111	2620	00524222	C000C000132	302	0381549	RE	038	CA0442	F101B	59000442	6
AFN	B		13DA1	R			C2121	454	63J32425-5	0170013240	00000	0340519	IN	035	CA2546	F106E	57002546	6
AFN	B		13DA1	R			C2121	950	63J32425-5	1268070252	00000	0370516	IN	037	CA2539	F106E	57002539	6
AFN	B		13DA1	R			C2121	182	63J32425-5	1068066041	00000	0390515	IN	039	CA2537	F106E	57002537	6
AFN	B		13DA1	R	H	812	C2121	1630	63J32425-5	0369051431	454	0340519	RE	035	CA2546	F106E	57002546	6
AFN	B		13DA1	R	H	812	C2121	1630	63J32425-5	0865046403	950	0370516	RE	037	CA2539	F106E	57002539	6
AFN	B		13DA1	R	H	812	C2121	1630	63J32425-5	C269074331	182	0390515	RE	039	CA2537	F106E	57002537	6
AFN	C		13DC1	R			C2124	920	42706M0183GY	6208211335	00000	0365045	IN	036	CA0902	F106E	58000902	6
AFN	B		13DC1	R			C2123	918	8211335GY	C000CCC0339	00000	0375121	IN	037	CA0016	F106A	59000016	6
AFN	B		13DC1	R			C2121	181	8211335GY	C000000333	00000	0390515	IN	039	CA2537	F106E	57002537	6
AFN	C		13DC1	R			C2124	463	8211335GY	C000226008	00000	0435039	IN	043	CA0900	F106E	58000900	6
AFN	B		13DC1	R	F	020	C2123	2620	8211335GY	C000CCC0460	918	0375121	RE	037	CA0016	F106A	59000016	6
AFN	B		13DC1	R	H	020	C2121	2620	8211335GY	0000000250	181	0390515	RE	039	CA2537	F106E	57002537	6
AFN	C		13DC1	R	H	020	C2124	2620	8211335GY	0000C05715	463	0435039	RE	043	CA0900	F106E	58000900	6
AFN	B		13DH1	R			C3340	509	18050	C000275268	00000	038066W	IN	038	CA2540	F106E	57002540	6
AFN	P		13DH1	R			C3340	993	18050	0000277735	00000	2627101	IN	036	CA2508	F106E	57002508	6
AFN	B		13DH1	R	F	381	C3340	1630	18050	C000452622	509	038066W	RE	038	CA2540	F106E	57002540	6
AFN	P		13DH1	R	H	803	C3340	1630	18050	C000262475	993	2627101	RE	036	CA2508	F106E	57002508	6
AFN	P		14DA1	R			C3340	700	100900	C000C00319	00000	034A001	IN	039	CA2508	F106E	57002508	6
AFN	P		14DA1	R	H	803	C3340	1650	100900	C000CCC104	700	034A001	RE	039	CA2508	F106E	57002508	6
AFN	B		14FA1	R			C3340	521	100700-11	C000000590	00205	0430840	IN	043	CA2537	F106E	57002537	6
AFN	B		14FA1	R	F	242	C3340	1650	100700-11	0000000569	521	043084D	RE	043	CA2537	F106E	57002537	6
AFN	B		47BA1	R			C9644	262	F121-1043-1	C000C001278	00000	0343400	IN	034	CA0165	F106E	59000165	6
AFN	B		47BA1	R			C9644	260	F121-1043-1	0000001502	00000	035340C	IN	035	CAC900	F106E	58000900	6
AFN	B		47BA1	R			C9644	244	F121-1043-1	C000C001562	00000	0373400	IN	037	CA0104	F106A	59000104	6
AFN	B		47BA1	R	F	803	C9644	1660	F121-1043-1	0000001557	262	0343400	RE	034	CA0165	F106E	59000165	6
AFN	B		47BA1	R	F	525	C9644	1660	F121-1043-1	0000000153	260	C353400	RE	035	CA0900	F106E	58000900	6
AFN	B		47BA1	R	F	242	C9644	1660	F121-1043-1	C000C081C6	244	0373400	RE	037	CA0104	F106A	59000104	6
AFN	B		74LB1	R			C4321	297	800-938-1-1	0000126665	00000	0360506	IN	036	CA0778	F106A	58000778	6
AFN	B		74LB1	R			C4321	298	800-938-1-1	C000C126781	00000	0360507	IN	036	CA0795	F106A	58000795	6
AFN	S		74LB1	R			C4325	094	800938-1-1	C000C116551	00000	0367001	IN	037	CA0092	F106A	59000092	6
AFN	B		74LB1	R			C4321	377	800938-1-1	0000171034	00332	04209NH	IN	042	CA0138	F106A	59000138	6
AFN	S		74LB1	R	Q	803	C4325	4130	800938-1-1	C000C971561	094	0367001	RE	037	CA0092	F106A	59000092	6
AFN	B		74LB1	R	D	694	C4321	4130	800938-1-1	C000126599	377	04209NH	RE	042	CA0138	F106A	59000138	6
AFN	E		97AE1	R			C3390	608	94-5-1	0000000135	00000	0347103	IN	035	CAC900	F106E	58000900	6
AFN	E		97AE1	R	K	803	C3390	1337	94-5-1	C000CCC214	608	0347103	RE	035	CA0900	F106E	58000900	6
ATC	C		13611	R			C2132	780	5000696	0009731509	00000	0361205	IN	036	CA0678	T033A	58000678	6
ATC	C		13611	R			C2132	788	5000696	C000571691	00000	0361217	IN	036	CA0511	T033A	58000511	6
ATC	C		13611	R			C2132	777	5000696	C002719000	00000	0371244	IN	037	CA0678	T033A	58000678	6
ATC	C		13611	R			C2131	586	5000563	0571702001	00000	0411212	IN	041	CAC608	T033A	57000608	6
ATC	C		13611	R	H	812	C2132	1630	5000969	0001072409	780	0361205	RE	036	CA0678	T033A	58000678	6
ATC	C		13611	R	H	812	C2132	1630	5000696	0009731557	788	0361217	RE	036	CA0511	T033A	58000511	6
ATC	C		13611	R	H	105	C2132	1630	5000696	0007711035	777	0371244	RE	037	CA0678	T033A	58000678	6

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Figure 5-29. MDC Monthly Transaction Listing Section F. (Serially-Controlled and Time Change Remove and Replace)

PREPARED 74 DEC 16 MDC MONTHLY TRANSACTION LISTING SECTION G AS OF 75 FEB 28 PCN SG0018507

(ENGINE REMOVE AND REPLACE)

EQ-CL	--ID-- NUMBER	-END-ITEM-IDENTITY--	ENG-ID NUMBER	ENG TIME-	C P	R I	T M	-PWC-	DAY	--JCN--	TAG	T D
GYR	AA0111	J00690Z5 68009008	AX0008	1011	1	R	B	A3210	335	339TST2	222	7
~~GYR~~	~~AA0111~~	~~J00690Z5 68009008~~	~~AX0008~~	~~1011~~	~~1~~	~~R~~	~~B~~	~~A3210~~	~~335~~	~~339TST2~~	~~222~~	~~7~~
GYR	AA0112		AX0011	2022	1	I	B	A3210	327	339TST2	223	7
~~GYR~~	~~AA0112~~		~~AX0011~~	~~2022~~	~~1~~	~~I~~	~~B~~	~~A3210~~	~~327~~	~~339TST2~~	~~223~~	~~7~~

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Figure 5-30. MDC Monthly Transaction Listing Section G. (Engine Remove and Replace)

PREPARED 75 MAR 18 — MDC WORK SUMMARY PART 1 (DIRECT LABOR BY END ITEM) — AS OF 75 FEB 28 — PCN SG0018511

EQ-CL-	-END-ITEM-IDENTITY--	--ID-- NUMBER	T M	-PWC-	------TOTAL------ -UP-	MANHOURS	--ON EQUIPMENT-- -UP-	MANHOURS	--OFF EQUIPMENT-- -UP-	MANHOURS	
A72	6115854382-1	CA9999	B	C413C	1	3.0	0	0.0	1	3.0	
					1	3.0	0	0.0	1	3.0	*
					1	3.0	0	0.0	1	3.0	**
					46	730.4	0	0.0	46	730.4	***
A8A	T033A 53005901	CA9999	Y	C2520	8	8.7	8	8.7	0	0.0	
					8	8.7	8	8.7	0	0.0	*
					8	8.7	8	8.7	0	0.0	**
					8	8.7	8	8.7	0	0.0	***
A9G	F1068 57002523	CA9999	Y	C3170	1	1.0	1	1.0	0	0.0	
					1	1.0	1	1.0	0	0.0	*
					1	1.0	1	1.0	0	0.0	**
A9G	F1068 57002535	CA9999	Y	C2520	13	14.7	13	14.7	0	0.0	
					13	14.7	13	14.7	0	0.0	*
					13	14.7	13	14.7	0	0.0	**
					14	15.7	14	15.7	0	0.0	***
A9J	F1068 57002509	CA9999	Y	C2520	9	9.1	9	9.1	0	0.0	
					9	9.1	9	9.1	0	0.0	*
					9	9.1	9	9.1	0	0.0	**
A9J	F1068 57002523	CA9999	Y	C2520	9	15.0	9	15.0	0	0.0	
					9	15.0	9	15.0	0	0.0	*
					9	15.0	9	15.0	0	0.0	**
					18	24.1	18	24.1	0	0.0	***
					254	986.0	206	252.6	48	733.4	****
					12160	25318.6	11060	22741.2	1100	2577.4	*****

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Figure 5-31. MDC Work Summary Part 1.
(Direct Labor by End Item)

PREPARED 75 MAR 19 — MDC WORK SUMMARY PART 2 SECTION D (DIRECT LABOR BY WORKCENTER) — AS OF 75 FEB 28 — PCN SG0018525

PWC-5 POS	EQ-CL	T-M	CATEGORY OF LABOR 1	2	3	4	5	6	TOTAL UP-	TOTAL MANHOURS	ON EQUIPMENT UNITS	ON EQUIPMENT MANHOURS	OFF EQUIPMENT UNITS	OFF EQUIPMENT MANHOURS	
C3140	AFF	B	1.8		3.7				2	5.5	0	0.0	2	5.5	
		P			4.3				0	4.3	0	4.3	0	0.0	
			1.8		8.0				2	9.8	0	4.3	2	5.5	•
C3140	AFN	A	8.5						1	8.5	1	8.5	0	0.0	
		B	22.1						1	22.1	1	19.8	0	2.3	
		E			10.5				0	10.5	0	10.5	0	0.0	
		P	25.4		57.0				0	82.4	0	63.2	0	19.2	
		S	23.4	11.0	17.5				5	51.9	5	51.9	0	0.0	
			79.4	11.0	85.0				7	175.4	7	153.9	0	21.5	•
C3140	AMH	B			4.8				0	4.8	0	4.8	0	0.0	
					4.8				0	4.8	0	4.8	0	0.0	•
C3140	ATC	A	15.6	1.5					0	17.1	0	17.1	0	0.0	
		B	7.8		6.1				4	13.9	0	0.0	4	13.9	
		P	7.8		55.4				0	63.2	0	52.1	0	11.1	
		S	40.1		1.3				6	41.4	6	41.4	0	0.0	
			71.3	1.5	62.8				10	135.6	6	110.6	4	25.0	•
			152.5	12.5	160.6				19	325.6	13	273.6	6	52.0	••
C3140	GAF	B			4.0				0	4.0	0	0.0	0	4.0	
					4.0				0	4.0	0	0.0	0	4.0	•
C3140	GAG	B	41.4		20.6				1	62.0	0	0.0	1	62.0	
			41.4		20.6				1	62.0	0	0.0	1	62.0	•
C3140	GAZ	B			10.2				7	10.2	0	0.0	7	10.2	
					10.2				7	10.2	0	0.0	7	10.2	•
C3140	GGY	B	4.0		11.7				1	15.7	0	2.4	1	13.3	
			4.0		11.7				1	15.7	0	2.4	1	13.3	•
			45.4		46.5				9	91.9	0	2.4	9	89.5	••
			197.9	12.5	207.1				28	417.5	13	276.0	15	141.5	•••

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Figure 5-32. MDC Work Summary Part 2 Section D.
(Direct Labor by Workcenter)

PREPARED 75 MAR 18 — MDC WORK SUMMARY PART 3 SECTION D (INDIRECT LABOR BY WORKCENTER) — AS OF 75 FEB 28 — PCN SGC018535

-PWC-	-WUC-	CATEGORY OF LABOR 1	2	3	4	5	6	TOTAL MANHOURS	
C3390	CMPGO	7.0	.0	.0	.0	.0	.0	7.0	
		7.0	.0	.0	.0	.0	.0	7.0	*
	DTLOO	10.0	.0	.0	.0	.0	.0	10.0	
		10.0	.0	.0	.0	.0	.0	10.0	*
	LVEOO	16.0	.0	224.0	.0	.0	.0	240.0	
		16.0	.0	224.0	.0	.0	.0	240.0	*
	TRNOO	1011.0	.0	.0	.0	.0	.0	1011.0	
		1011.0	.0	.0	.0	.0	.0	1011.0	*
		1044.0	.0	224.0	.0	.0	.0	1268.0	**

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Figure 5-33. MDC Work Summary Part 3 Section D.
(Indirect Labor by Workcenter)

PREPARED 75 MAR 18 — MDC ACTIVITY IDENTIFIER SUMMARY PART 1 (BY PWC) — AS OF 75 FEB 28 — PCN SGC018541

-PWC-	AI	EQ-CL	END ITEM---	TM	TOTAL -UP-	TOTAL MANHOURS	ON EQUIPMENT -UP-	ON EQUIPMENT MANHOURS	OFF EQUIPMENT -UP-	OFF EQUIPMENT MANHOURS	
C323D	QB	XTC	J0033	A	0	29.0	0	29.0	0	0.0	
				B	1	9.0	0	0.0	1	9.0	
					1	38.0	0	29.0	1	9.0	*
					1	38.0	0	29.0	1	9.0	**
					1	38.0	0	29.0	1	9.0	***
C323G	QT	XFF	J0057	A	1	9.0	1	9.0	0	0.0	
				B	2	9.0	0	0.0	2	9.0	
					3	18.0	1	9.0	2	9.0	*
					3	18.0	1	9.0	2	9.0	**
C323D	QT	XTC	J0033	A	30	54.0	29	45.0	1	9.0	
				B	2	9.0	0	0.0	2	9.0	
					32	63.0	29	45.0	3	18.0	*
					32	63.0	29	45.0	3	18.0	**
					35	81.0	30	54.0	5	27.0	***
					36	119.0	30	83.0	6	36.0	****
C3360	QQ	AFN	F1068	B	1	2.0	1	2.0	0	0.0	
					1	2.0	1	2.0	0	0.0	*
					1	2.0	1	2.0	0	0.0	**
					1	2.0	1	2.0	0	0.0	***
C3360	3Q	ATC	T033A	B	1	0.3	1	0.3	0	0.0	
					1	0.3	1	0.3	0	0.0	*
					1	0.3	1	0.3	0	0.0	**
					1	0.3	1	0.3	0	0.0	***
					2	2.3	2	2.3	0	0.0	****
TOTAL FOR CHIEF OF MAINT C					106	1364.4	54	1323.9	52	40.5	

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Figure 5-34. MDC Activity Identifier Summary Part 1. (By PWC)

PREPARED 75 MAR 24 — MDC ACTIVITY IDENTIFIER SUMMARY PART 2 (BY ACTIVITY IDENTIFIER) — AS OF 75 DEC 31 — PCN 5G0018542

AI	EQ-CL	END ITEM--	-PWC-	T M	TOTAL -UP-	TOTAL MANHOURS	ON EQUIPMENT -UP-	ON EQUIPMENT MANHOURS	OFF EQUIPMENT -UP-	OFF EQUIPMENT MANHOURS	
QA	AHP	HU016B	Q2111	A	7	63.0	7	63.0	0	0.0	
					7	63.0	7	63.0	0	0.0	*
QA	AHP	HU016B	Q2112	C	70	63.0	70	63.0	0	0.0	
					70	63.0	70	63.0	0	0.0	*
QA	AHP	HU016B	Q3330	B	7	63.0	7	63.0	0	0.0	
					7	63.0	7	63.0	0	0.0	*
QA	AHP	HU016B	Q4120	D	7	14.0	7	14.0	0	0.0	
					7	14.0	7	14.0	C	0.0	*
					91	203.0	91	203.0	0	0.0	**
					91	203.0	91	203.0	0	0.0	***
					91	203.0	91	203.0	0	0.0	****
QB	AHP	HU016B	Q2111	A	28	56.0	28	56.0	0	0.0	
				E	14	0.0	14	0.0	0	0.0	
					42	56.0	42	56.0	0	0.0	*
					42	56.0	42	56.0	0	0.0	**
					42	56.0	42	56.0	0	0.0	***
					42	56.0	42	56.0	0	0.0	****
QE	GAF	AF100	Q3410	S	7	35.0	7	35.0	0	0.0	
					7	35.0	7	35.0	0	0.0	*
					7	35.0	7	35.0	0	0.0	**
					7	35.0	7	35.0	0	0.0	***
QE	GAH	AG300	Q3410	J	7	35.0	7	35.0	0	0.0	
				P	7	35.0	7	35.0	0	0.0	
				S	7	35.0	7	35.0	0	0.0	
					21	105.0	21	105.0	0	0.0	*
					21	105.0	21	105.0	0	0.0	**
					21	105.0	21	105.0	0	0.0	***
					28	140.0	28	140.0	0	0.0	****
	TOTAL FOR CHIEF OF MAINT Q				2401	5587.9	1935	4620.2	466	967.7	

PCN 5G0018542 — PAGE 8 — DISTRIBUTE TO CHIEF OF MAINT Q — PAGE 1

Figure 5-35. MDC Activity Identifier Summary Part 2.
(By Activity Identifier)

PREPARED 75 MAR 30 — MDC ACTIVITY IDENTIFIER SUMMARY PART 3 (INDIRECT LABOR) — AS OF 75 DEC 31 — PCN SG001B536

AI	-PWC-	-WUC-	CATEGORY OF LABOR 1	2	3	4	5	6	TOTAL MANHOURS	
JZ	S3210	CMP00	.0	8.0	8.0	8.0	.0	.0	24.0	
			.0	8.0	8.0	8.0	.0	.0	24.0	*
		LVE00	.0	.0	8.0	.0	.0	.0	8.0	
			.0	.0	8.0	.0	.0	.0	8.0	*
			.0	8.0	16.0	8.0	.0	.0	32.0	**
			.0	8.0	16.0	8.0	.0	.0	32.0	***
XY	S3210	LVE00	.0	.0	8.0	.0	.0	.0	8.0	
			.0	.0	8.0	.0	.0	.0	8.0	*
			.0	.0	8.0	.0	.0	.0	8.0	**
			.0	.0	8.0	.0	.0	.0	8.0	***
YE	S3210	LVE02	.0	.0	8.0	.0	.0	.0	8.0	
			.0	.0	8.0	.0	.0	.0	8.0	*
			.0	.0	8.0	.0	.0	.0	8.0	**
			.0	.0	8.0	.0	.0	.0	8.0	***
TOTAL FOR CHIEF OF MAINT S			.0	8.0	32.0	8.0	.0	.0	48.0	

PCN SG0018536 — PAGE 15 — DISTRIBUTE TO CHIEF OF MAINT S — END PAGE 1

Figure 5-36. MDC Activity Identifier Summary Part 3. (Indirect Labor)

PREPARED: 75 FEB 20 — WUC TREND ANALYSIS REPORT — PCN: 5G001B732

FOCL	ITEM IDENT	WUC	SIG LVL	LATEST MONTH
ATC	T03X 14872	000		NOV

WUC TITLE: LEFT AILERON ASSY

MONTH OF REPORT >>	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12
NUMBER OF FAILURES >>	30	38	39	51	28							
OFF-EQUIP MANHOURS >>												

ACTION: G = REPAIR / REPLACE MINOR PARTS

PWC: C2220					
HOURS >>		2.3	2.0	2.0	
UNITS >>		2	1	1	
AVG >>		1.1	2.0	2.0	
STD >>	1.5 &	2.0	2.0		

ACTION: L = ADJUST

PWC: C2220					
HOURS >>		9.5			1.0
UNITS >>		9			1
AVG >>		1.0			1.0
STD >>	1.0	1.0	1.0	1.0	

ACTION: L = ADJUST

PWC: C2230					
HOURS >>				4.0	4.0
UNITS >>				2	2
AVG >>				2.0	2.0
STD >>	2.0	2.0	2.0	2.0	

ACTION: Q = INSTALLED

PWC: C2130					
HOURS >>	4.0				
UNITS >>	1				
AVG >>	4.0				
STD >>					

ACTION: R = REMOVE AND REPLACE

PWC: C2132					
HOURS >>		9.2	4.0		
UNITS >>		2	1		
AVG >>		4.6	4.0		
STD >>	4.4	4.0			

ACTION: R = REMOVE AND REPLACE

PWC: C2131					
HOURS >>	54.0	26.1	29.5	47.3	34.5
UNITS >>	22	19	17	27	19
AVG >>	2.4	1.3	1.7	1.7	1.8
STD >>	1.6	1.7	1.7 &	1.8	

Figure 5-37. WUC Trend Analysis Report.

PREPARED: 7< FEB 20 PART NR TREND ANALYSIS REPORT PCN: SG001B73A

PWC	FSC	PART NUMBER	SIG LVL	LATEST MONTH
C3331	6140	3150-2A	000	NOV

MONTH OF REPORT >>	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12
BCM CK/TST/WRTS HOURS >>	5.0											
UNITS >>	2											
AVG >>	2.5											
STD >>												

PCN: SG001B73A END PAGE 8 DISTRIBUTE TO CHIEF OF MAINT: C END PAGE 8

Figure 5-38. Part Number Trend Analysis Report.

PREPARED: 74 DEC 24 TREND ANALYSIS REQUEST ERROR LISTING PCN: SG0018735

AAATE T03703100PRE FLIGHT INSPECTION	PCN SG001B731
AAATE T03775WPNWEAPON RELEASE	PCN SG001B731
AAATG T03971RDRRADAR WOON DETECTOR	PCN SG001B731
AAHPA XW410XW410PWE ITEM	PCN SG001B731
AAXTF J008523ABDAFTER BURNER	PCN SG001B731
AB321011900FFCALIBRATE	PCN SG001B733
AB331019205HOP	PCN SG001B733

PCN: SG0018735 END PAGE 1 DISTRIBUTE TO CHIEF OF MAINT: A END PAGE 1

Figure 5-39. Trend Analysis Request Error Listing.

```
PREPARED 75 JAN 24          PERFORMANCE MONITORING MASTER CHANGE LISTING          AS OF 75 JAN 24     PCN SG001B749

SIGNIFICANCE LEVEL FOR CHIEF OF MAINT A CHANGED FROM 000 TO 432

SIGMA LEVEL FOR CHIEF OF MAINT A CHANGED FROM 0 TO 1

SIGNIFICANCE LEVEL OF WORK UNIT CODE ACG VC118 13LDG CHANGED FROM 000 TO 159

REQUEST TO PROCESS ACTION AGINST WORK UNIT CODE ATE  T037 13246 DENIED, INCORRECT DATA IN COLUMNS 18-20,  CARD SCRATCHED

NO CORRESPONDING MASTER FOR EQUIP AND WORK UNIT CODE ATE  T038 115KN AND CHIEF OF MAINT A

NO CORRESPONDING MASTER FOR EQUIP AND WORK UNIT CODE XTE J0169 03410 AND CHIEF OF MAINT A

HIGH-25 FAILURE SUPPRESSION FLAG FOR EQUIP AND WORK UNIT CODE ACG VC118 41105 CHANGED FROM SPACE TO  *

HIGH-25 FAILURE SUPPRESSION FLAG FOR EQUIP AND WORK UNIT CODE ATE  T037 03410 CHANGED FROM SPACE TO SPACE

REQUEST TO PROCESS ACTION AGINST WORK UNIT CODE ATG  T039 03210 DENIED, INCORRECT DATA IN COLUMNS 18-20,  CARD SCRATCHED

RECORDS FOR WORK UNIT CODE ACG VC118 71RAD AND CHIEF OF MAINTENANCE A HAVE BEEN DELETED

RECORDS FOR WORK UNIT CODE ATG  T039 03100 AND CHIEF OF MAINTENANCE A HAVE BEEN DELETED

HIGH-25 MANHOUR SUPPRESSION FLAG FOR EQUIP AND WORK UNIT CODE AHG HH043 13STE CHANGED FROM SPACE TO  *

REQUEST TO PROCESS ACTION AGINST WORK UNIT CODE ATE  T037 23ABC DENIED, INCORRECT DATA IN COLUMNS 18-20,  CARD SCRATCHED

SIGNIFICANCE LEVEL FOR PART NUMBER 2118 1370 OFFSPARE        IS CHANGED FROM 000 TO 942

SIGNIFICANCE LEVEL FOR PART NUMBER 2118 1370 OFFSPARE        IS CHANGED FROM 000 TO 942

REQUEST TO CHANGE SIGNIF LEVEL FOR PART NUMBER 3210 1940 270ABCD        DENIED, INCORRECT DATA IN COLUMNS 27-29,  CARD SCRATCHED

NO CORRESPONDING MASTER FOR PART NUMBER 4110 1920 PART          AND CHIEF OF MAINT A

NO CORRESPONDING MASTER FOR PART NUMBER 3310 5555 SHOP          AND CHIEF OF MAINT A

THIS RECORD UNDEFINEABLE-"A42539754035957A033H055QZ  ABORTJ                    M     095021              *-REQUEST DENIED

PCN SG001B749                    PAGE    2          DISTRIBUTE TO CHIEF OF MAINT "A"     END PAGE  1
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Figure 5-40. Performance Monitoring Master Change Listing.

PREPARED: 75 MAR 27 AERO-VEH (ON-EQUIPMENT) JCB AVERAGE/PERFORMANCE HI-LITES FOR JAN 75 PCN: SG0018771

EQ-CL	ITEM IDENT	WUC	A T	UNITS	MAN HOURS	LOWER CONTROL	MONTH AVERAGE	UPPER CONTROL	SIGNIFICANCE LEVEL	SIGMA LEVEL: 2
AFF	F101	03400		10	1313.2	.0	131.3 >>	105.3	12 UNITS	
AFF	F101	04124		4	28.1	.9	7.0 >>	3.2	12 UNITS	
AFF	F101	04139		5	73.5	3.3	14.7 >>	9.8	12 UNITS	
AFF	F101	11EEF	Z	6	2.1	.4<<	.3	2.1	12 UNITS	
AFF	F101	11FAE	G	1	1.5	3.9<<	1.5	10.2	12 UNITS	
AFF	F101	11FAJ	G	1	12.6	.0	12.6 >>	5.2	12 UNITS	
AFF	F101	12310	P	4	17.4	2.3	4.3 >>	3.6	12 UNITS	
AFF	F101	4212A	G	1	1.0	1.1<<	1.0	4.0	12 UNITS	
AFF	F101	42120	Y	1	2.7	3.0<<	2.7	7.1	12 UNITS	
AFF	F101	51140	Q	1	1.0	1.0<<	1.0	3.1	12 UNITS	
AFN	F106	03210		164	903.6	3.8	5.5 >>	4.9	12 UNITS	
AFN	F106	03300		24	928.4	6.0	38.6 >>	34.3	12 UNITS	
AFN	F106	03400		5	1431.5	2.4	286.3 >>	65.5	12 UNITS	
AFN	F106	04124		6	26.6	1.1	4.4 >>	2.4	12 UNITS	
AFN	F106	0413C		3	3.8	.2	1.2 >>	.9	12 UNITS	
AFN	F106	11CAA	G	1	4.0	.0	4.0 >>	2.0	12 UNITS	
AFN	F106	11CC1	R	5	15.4	.0	3.0 >>	2.7	12 UNITS	
AFN	F106	11CD1	P	1	5.0	.0	5.0 >>	2.3	12 UNITS	
AFN	F106	11CE1	P	2	6.0	.5	3.0 >>	1.6	12 UNITS	
AFN	F106	11CFA	R	1	1.5	.0	1.5 >>	.2	12 UNITS	
AFN	F106	11CF1	Q	3	7.4	.0	2.4 >>	1.3	12 UNITS	
AFN	F106	11C00	G	1	1.4	.0	1.4 >>	.3	12 UNITS	
AFN	F106	11DDE	S	11	25.1	.5	2.2 >>	.9	12 UNITS	
AFN	F106	11DEE	Q	6	12.5	.3	2.0	2.0	12 UNITS	

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Figure 5-41. On-equipment Performance Hi-lites.

PREPARED: 75 MAR 27 OFF-EQUIPMENT JOB AVERAGE/PERFORMANCE HI-LITES FOR JAN 75 PCN: 5G001B772

PMC	FSC	PART NUMBER	AT	UNITS	MAN HOURS	LOWER CONTROL	MONTH AVERAGE	UPPER CONTROL	SIGNIFICANCE LEVEL	SIGMA LEVEL: 2
C3120	1560	8-22655-801	REPAIRS	6	28.0	5.0<<	4.6	5.3	12 UNITS	
C3120	1630	3-1080	REPAIRS	2	12.0	.0	6.0 >>	2.5	12 UNITS	
C3120	2840	6806494	REPAIRS	8	34.0	1.8	4.2 >>	2.1	12 UNITS	
C3170	1630	3-1080	BCH CK/TST/NRTS	3	8.5	.0	2.8 >>	2.5	12 UNITS	
C3170	2840	655367	BCH CK/TST/NRTS	6	3.8	.9<<	.6	1.2	12 UNITS	
C323E	2840	333824	BCH CK/TST/NRTS	8	.5	.3<<	.0	.6	12 UNITS	
C3331	6140	3150-2A	REPAIRS	42	96.0	.3	2.2	2.2	12 UNITS	
C3331	6140	3154-1A	REPAIRS	7	31.5	2.0	4.5 >>	3.5	12 UNITS	
C3340	1630	175133-601	REPAIRS	13	31.6	1.2	2.4 >>	1.5	12 UNITS	
C3340	1630	9540726	BCH CK/TST/NRTS	1	8.0	.0	8.0 >>	4.3	12 UNITS	
C3340	1650	11510-3	BCH CK/TST/NRTS	7	30.8	.0	4.4 >>	3.8	12 UNITS	
C4110	5995	WM85U	REPAIRS	6	6.8	1.8<<	1.1	2.1	12 UNITS	
C4120	5826	RT220CARN21	REPAIRS	1	6.0	1.5	6.0 >>	5.4	12 UNITS	
C4120	5826	R541ARN14D	BCH CK/TST/NRTS	6	16.1	2.9<<	2.6	3.2	12 UNITS	
C4220	6610	1964703-1	BCH CK/TST/NRTS	4	26.7	.0	6.6 >>	6.4	12 UNITS	
C4323	1270	464083-180	BCH CK/TST/NRTS	7	27.7	.5	3.9 >>	3.0	12 UNITS	
C4323	1270	464241-182	REPAIRS	7	45.7	.7	6.5 >>	6.2	12 UNITS	
C4323	1270	464409-152	BCH CK/TST/NRTS	4	3.5	1.4<<	.8	1.7	12 UNITS	
C4323	1270	464464-162	BCH CK/TST/NRTS	3	3.3	1.1<<	1.1	2.4	12 UNITS	
C4323	1270	464518-150	BCH CK/TST/NRTS	2	9.8	.0	4.9 >>	3.9	12 UNITS	
C4323	1270	464641-151	REPAIRS	6	27.7	1.3	4.6 >>	4.0	12 UNITS	
C4323	1270	472595-180	BCH CK/TST/NRTS	3	15.8	.0	5.2 >>	2.8	12 UNITS	

PCN: 5G001B772 PAGE 9 DISTRIBUTE TO CHIEF OF MAINT: C END PAGE 8

Figure 5-42. Off-equipment Performance Hi-lites.

PREPARED: 75 MAR 27 HIGH-25 ON-EQUIPMENT FAILURES FOR JAN 75 PCN: SG0018781

	EQ CL	ITEM IDENT	WUC	CURR FAIL	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12
1	AFF	F101	52300	15	13	19	21	14	16	11						
2			64220	14	3	4	4		1	1						
3			63220	13	8	15	18	20	11	15						
4			23KSA	11	7	14	8	2	2	6						
5			63200	10		1	4	3	1	2						
6			76110	8												
7			12213	8	1	5	8	6	1	2						
8			64000	7		2				1						
9			6321F	7	2	3	2	2	5	5						
10			74470	6	1	5		6	1	6						
11			11EFF	6	4	3										
12			5112N	6	3	1	1		2	1						
13			13520	5	3		11			1						
14			44230	5			3	4		1						
15			5112V	5	10		2	2		1						
16			76Q00	5					1							
17			64214	5			2									
18			11FCC	5	2			1	1							
19			11FAE	5	13	12	2	3	1	1						
20			11DEC	5			1	1	1	2						
21			12314	4	2	2	2		1	3						
22			42131	4			5	3	1	1						
23			44240	4	2	4	11	5		2						
24			4511B	4	1	4	8	2		1						
25			7181D	4	6	5	5	2	2	1						
25			71820	4	11	12	5	2	6	4						
25			7443D	4	2	3	1	7	7							

EQ CL	ITEM IDENT	WUC	TOTAL
AFF	F101	52300	94
		63220	87
		13416	49
		44231	47
		11EAD	44
		44241	43
		71820	40
		23KSA	39
		52310	33
		11FAE	32
		13426	29
		74400	26
		42120	26
		4512H	25
		44240	24
		12213	23
		71800	23
		51120	22
		51400	21
		74480	21
		71810	21
		7443D	20
		74470	19
		6321F	19
		52332	19
		52334	19

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Figure 5-43. High-25 On-equipment Failures.

PREPARED: 7% APR 05 HIGH-25 MANHOUR CONSUMING JOBS FOR FEB 75 PCN: SG001B701

				CURRENT-MONTH				***PRIOR-12-MONTHS***			
	EQ CL	ITEM IDENT	WUC	ON EQUIPT	OFF EQUIPT	TOTAL	EQ CL	ITEM IDENT	WUC	ON EQUIPT	OFF EQUIPT	TOTAL
1	EUJ	UPA035	AGCRO	195.2	.0	195.2	EUJ	UPA035	AGCRO	1579.1	.0	1579.1
2			AGCRE	90.8	1.9	92.7			AGCCO	147.3	19.3	166.6
3			AGCRD	53.2	.0	53.2			AGCRE	143.9	1.3	145.2
4			AGCCO	24.3	.0	24.3			AGCCD	114.1	.0	114.1
5			AGCED	16.1	.0	16.1			AGCOO	103.1	.0	103.1
6			AGCOO	14.5	.0	14.5			AGCRQ	79.4	.0	79.4
7			AGCRU	12.0	.0	12.0			AGCRV	79.0	.0	79.0
8			AGCR1	11.0	.3	11.3			AGCR3	75.8	1.3	77.1
9			AGCRT	10.3	.0	10.3			AGCRR	60.3	.0	60.3
10			AGCRN	5.5	.0	5.5			AGCCC	53.8	.0	53.8
11			AGCCC	5.2	.0	5.2			AGCRF	40.2	10.5	50.7
12			AGCRZ	4.7	.0	4.7			AGCRD	47.3	.0	47.3
13			AGCRB	4.5	.0	4.5			AGCRL	44.2	1.0	45.2
14			AGCRY	4.5	.0	4.5			AGCRP	42.5	.0	42.5
15			AGCRP	4.0	.0	4.0			AGCRC	42.4	.0	42.4
16			AGCRQ	3.5	.0	3.5			AGCRZ	39.0	.0	39.0
17			AGCCE	2.7	.0	2.7			AGCRT	29.5	3.3	32.8
18			AGCRS	2.5	.0	2.5			AGCRH	32.0	.0	32.0
19			AGCR3	2.5	.0	2.5			AGOOO	28.3	.0	28.3
20			AGCRV	2.0	.0	2.0			AGCRR	24.5	.0	24.5
21			AGCRF	1.7	.0	1.7			AGCRA	24.0	.0	24.0
22			AGCRM	1.0	.0	1.0			AGCRS	21.8	.0	21.8
23			AGCRH	.5	.0	.5			AGCCE	20.4	.0	20.4
24			AGCRC	.5	.0	.5			AGCRM	16.6	1.3	17.9
25			AGCRR	.5	.0	.5			AGCRU	11.5	4.5	16.0

PCN: SG001B701 PAGE 16 DISTRIBUTE TO CHIEF OF MAINT: B PAGE 16

Figure 5-44. Hi-25 Man-hour Consuming Jobs.

```
PERPARED: 74 JUL 3                    WORKLOAD DISTRIBUTION INPUT REQUEST ERROR LIST                    PCN SG001B811
          1111111111222222222233333333334444444444555555555566666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678900

REQUEST FOR PROGRAM NBDR20      *      Y
```

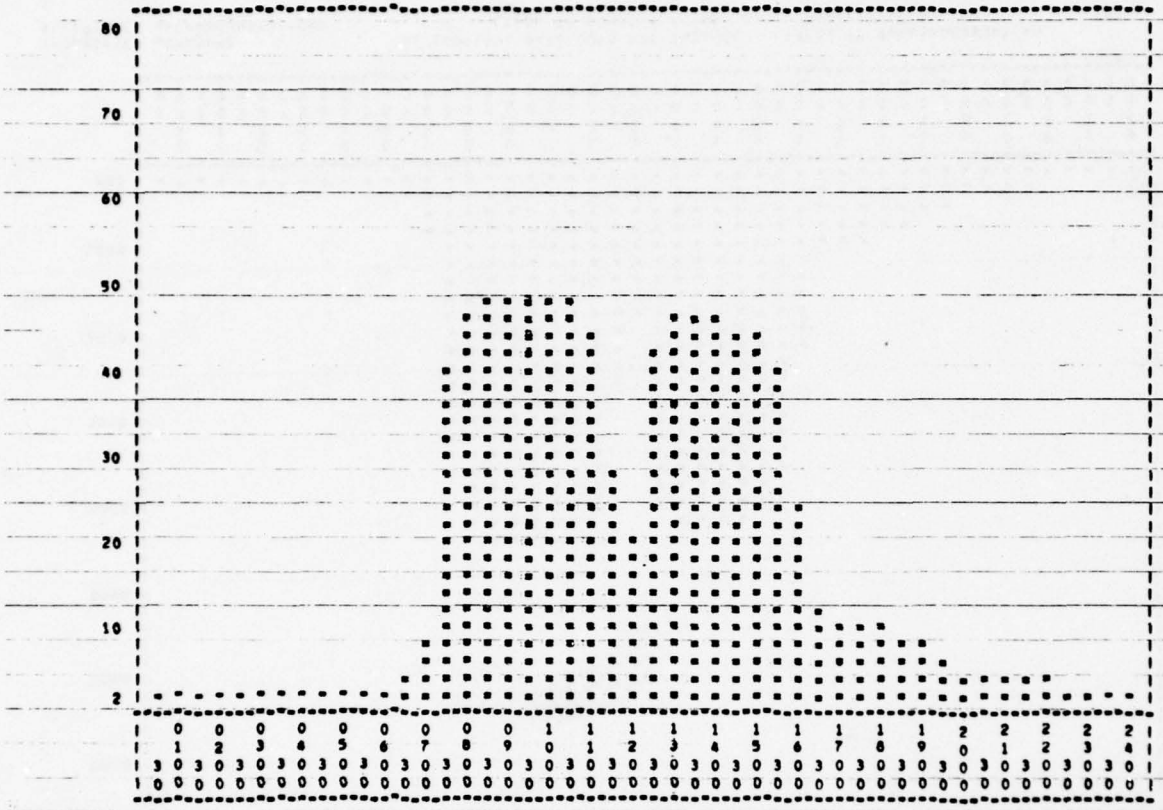
NOTE. RECEIPT OF THIS REPORT WILL OCCUR WHEN A VALID CHIEF OF MAINTENANCE CODE APPEARS IN CC 40 BUT INVALID OR INSUFFICIENT DATA WAS CONTAINED IN THE PRODUCT REQUEST FIELD AND/OR LEVEL OF CONSOLIDATION REQUEST FIELD.

```
PCN SG001B811                    END PAGE 02                    CHIEF-OF-MAINT:
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Figure 5-45. Workload Distribution Input Request Error List.

PREPARED: 74 JUL 29 WORKLOAD DISTRIBUTION HISTOGRAM FOR JUN 74 - JUN 74 PCN SG001B812

AVERAGE NUMBER OF WORKERS BY HOUR OF THE DAY


80
70
60
50
40
30
20
10
2
0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2
1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4
3 0 3 0 3 0

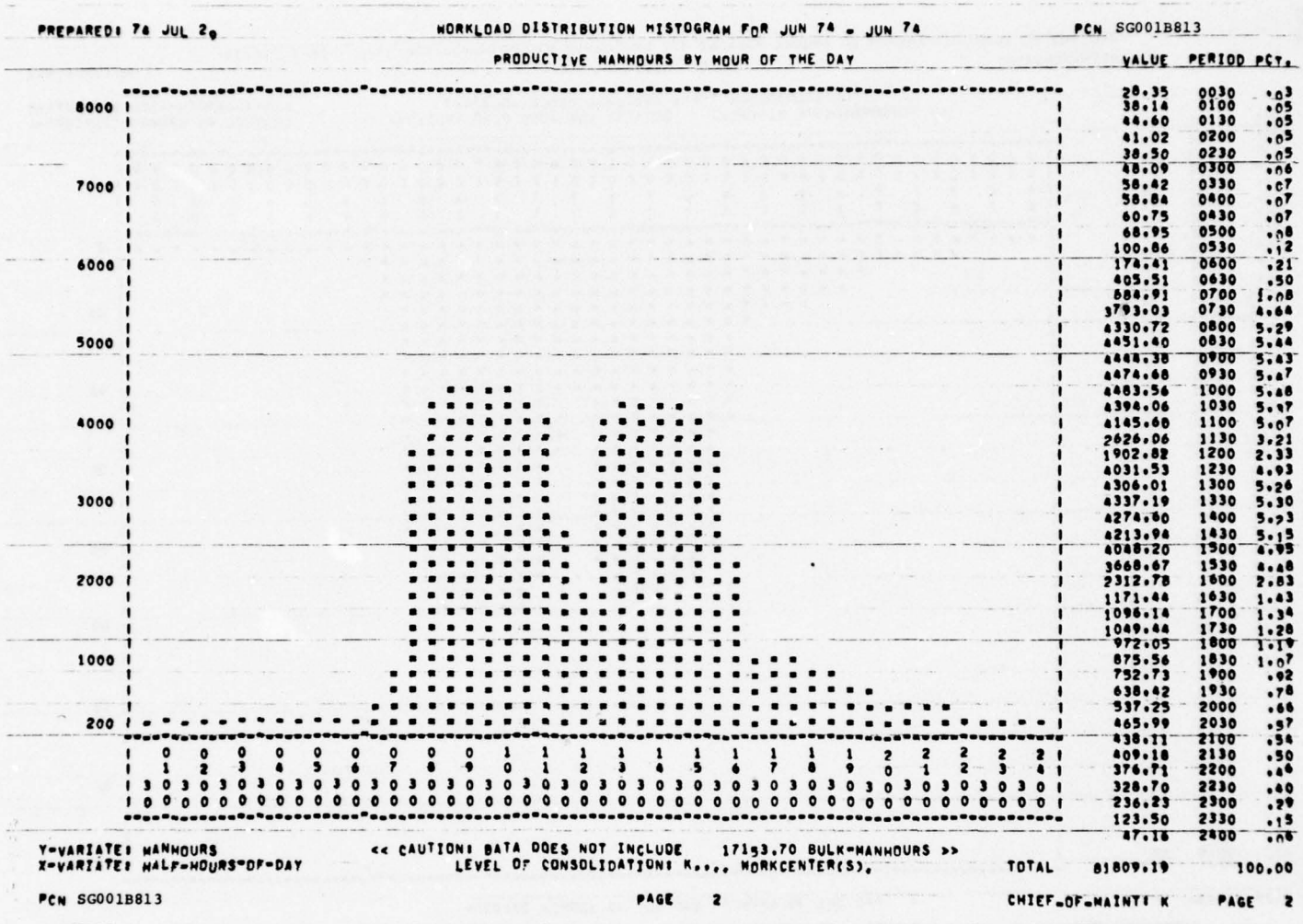
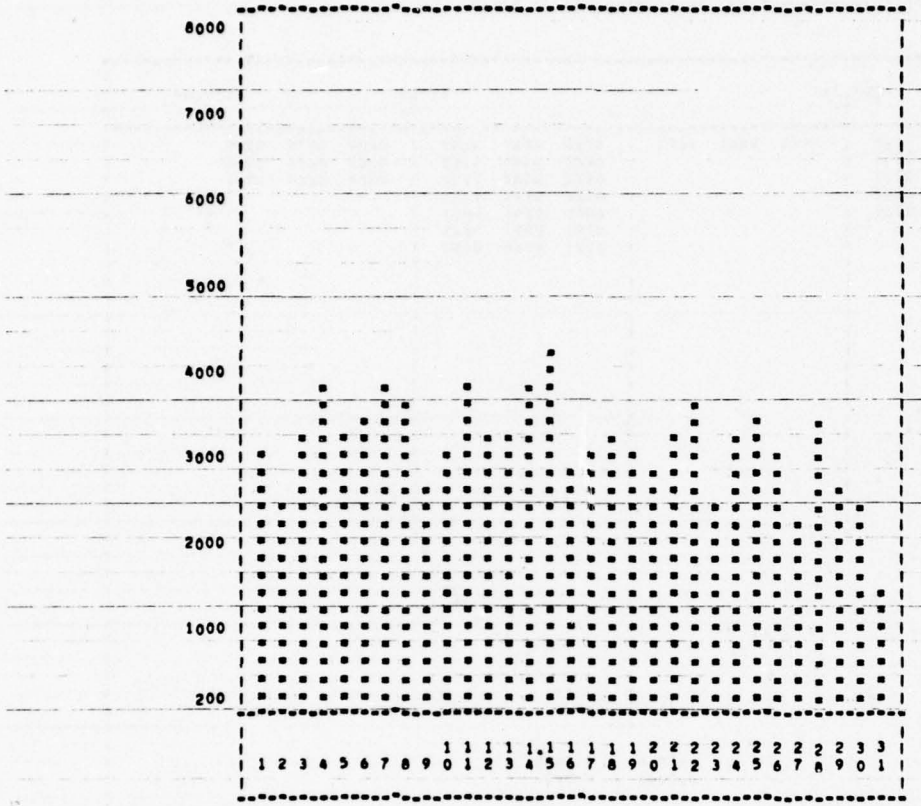


Figure 5-47. Workload Distribution Histogram for Productive Man-hours by Hour of the Day.

PREPARED: 74 JUL 29 WORKLOAD DISTRIBUTION HISTOGRAM FOR JUN 74 - JUN 74 PCN SG001B814

PRODUCTIVE MANHOURS BY DAY OF MONTH



VALUE	PERIOD	PCT.
3157.66	1	3.19
2599.52	2	2.63
3280.52	3	3.31
3998.51	4	4.04
3386.19	5	3.42
3458.91	6	3.50
3917.58	7	3.96
3632.24	8	3.67
2665.23	9	2.69
3054.74	10	3.09
3909.50	11	3.95
3241.95	12	3.28
3238.38	13	3.27
3873.39	14	3.91
4270.59	15	4.32
2944.28	16	2.98
3137.15	17	3.17
3335.19	18	3.37
3051.95	19	3.08
2943.92	20	2.97
3369.36	21	3.40
3754.85	22	3.79
2576.73	23	2.60
3200.34	24	3.23
3477.64	25	3.51
3020.41	26	3.05
2246.54	27	2.27
3595.33	28	3.63
2706.14	29	2.73
2417.90	30	2.44
1499.85	31	1.52
98962.89		100.00 TOTAL

Y-VARIATE: MANHOURS
X-VARIATE: DAY-OF-MONTH

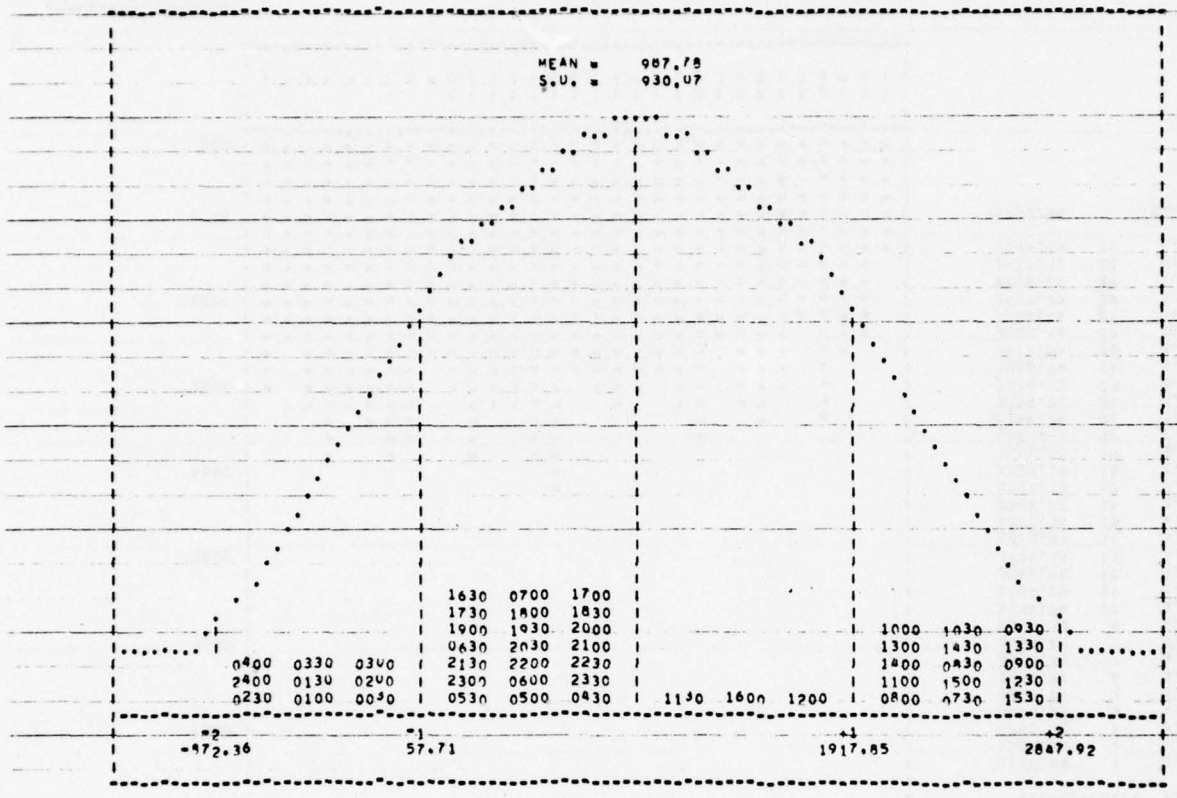
LEVEL OF CONSOLIDATION: K..., WORKCENTER(S).

PCN SG001B814 PAGE 3 CHIEF-OF-MAINT: K PAGE 5-67

Figure 5-48. Workload Distribution Histogram for Productive Man-hours by Day of Month.

PREPARED: 74 JUL 27 WORKLOAD SATURATION CHART FOR JUN 74 - JUN 74 PCN SG001B815

MANHOURS BY HOUR OF DAY



PERIOD	DEVIATION
0030	-1.035
0100	-1.026
0230	-1.022
0200	-1.022
0130	-1.020
2400	-1.019
0300	-1.012
0330	-1.001
0400	-1.000
0430	-.998
0500	-.989
0530	-.954
2330	-.950
0600	-.877
2300	-.864
2230	-.803
2200	-.773
2130	-.750
2100	-.723
2030	-.692
0630	-.630
2000	-.625
1930	-.537
1900	-.481
1830	-.395
1800	-.251
1730	-.187
1700	-.134
0700	-.123
1630	-.053
1200	.535
1600	.539
1130	.783
1530	1.113
0730	1.183
0800	1.290
1230	1.294
1500	1.306
1100	1.329
0900	1.344
0830	1.344
1400	1.351
1330	1.362
1430	1.379
1300	1.389
0930	1.422
1030	1.456
1000	1.477

LEVEL OF CONSOLIDATION: K2,,, WORKCENTER(S),

PCN SG001B815 PAGE 49 CHIEF-OF-MAINT: K PAGE 3

Figure 5-49. Workload Saturation Chart for Man-hours by Hour of Day.

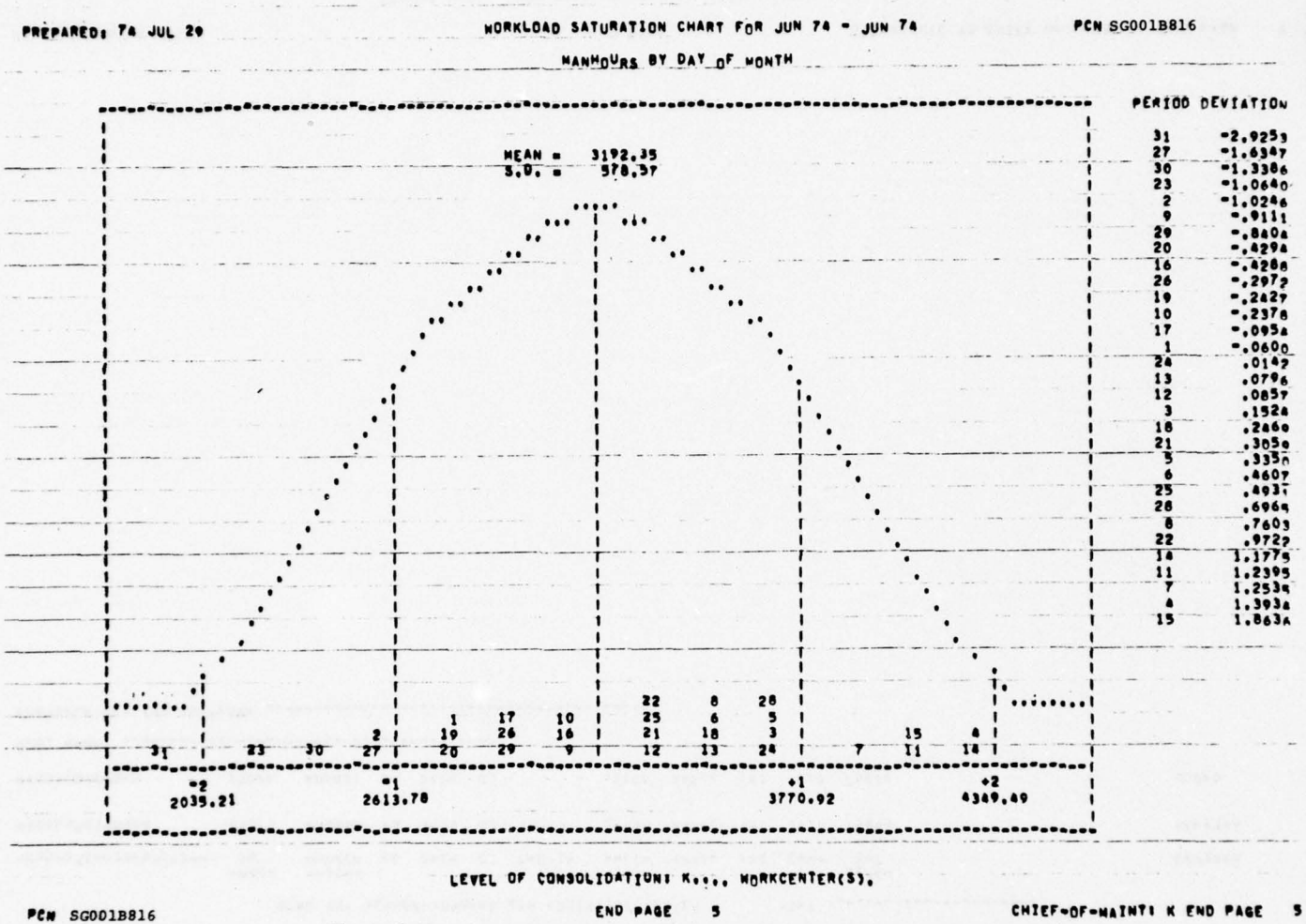


Figure 5-50. Workload Saturation Chart for Man-hours by Day of Month.

PREPARED 74 DEC 21 MDC DEPOT EQUIPMENT ADDITION / DELETION LIST RCS: LOG-MA(AR)7411

SEND TO: WARNER-ROBBINS AIR LOGISTICS CENTER FROM: _____

-END-ITEM-IDENTITY--	-PME-SN	--ID-NUMBER	CL	OMC-	OC	PME-ID	-WUC-	-PMC-	FRE	EMH-	DATE-DUE	REMARKS
6625LA545-54CA	00075	AHA027	PA	4500	0J	4291A	XM410	A4500	150	24.0	75025	DELETED
6625TEST240-3	15829	AHA031	PA	2118	0J		YEZ00	A4500	180	5.0	75039	ADDED

MFG. NAME: _____

CUSTOMER ORG AND ADDRESS: _____

RCS: LOG-MA(AR)7411 END PAGE 3 DISTRIBUTE TO CHIEF OF MAINT A END PAGE 2

Figure 5-51. MDC Depot Equipment Addition/Deletion List.

APPENDIX 4-5B

OUTPUT PRODUCTS, MAINTENANCE COST SYSTEM

Reproduced in this appendix is Chapter 15 of AFM 177-380, USAF Standard Base Level Maintenance Cost System, 1 July 1975. The reproduced material provides descriptions and samples of the output reports of the Maintenance Cost System.

Chapter 15

REPORTS RCS: HAF-ACF(M)7403

15.1 GENERAL. This chapter explains all monthly MCS reports produced by the B3500 system. It describes the source of data, product request, frequency, due date, format, and distribution of each report. The base level MCS reports provide the chief of maintenance and staff cost data for analysis, isolation, and control of the cost of resources consumed in the maintenance operation. The reports are cost (expense) oriented, meaning that the costs are measured by use and consumption of resources rather than by assignment of resources or by obligation of funds. There are six reports produced from the MCS which are described in para 15.4 through 15.12. All cost figures are in whole dollars except fiscal year cumulative.

15.2 FREQUENCY AND DUE DATE:

a. Frequency. The base level MCS reports are produced monthly. Reports 1A, 1B, 2A and 2B are mandatory and must be produced monthly. Reports 3, 4, 5, and 6 are optional and may be printed if requested by the MCS manager; however, for the first 6 months after implementation of the MCS all the reports should be produced and an executive management summary must be prepared by the MCS manager. The reports and executive management summary are sent to the chief of maintenance for review and analysis. After the initial 6-month period, only reports 1 and 2 are mandatory and the other reports are produced if requested by the chief of maintenance or staff. Part of the executive management summary report -- Labor is also mandatory (see para 17.2.)

b. Due Date. Printed copies of the reports are not sent to MAJCOM. The AUTODIN output file (AUSG1T) is due out from bases by the 15th calendar day and due in at MAJCOM NLT the 20th calendar day after the end of the month being reported.

15.3 PRODUCT REQUEST. On the eighth calendar day of each month all input tapes and cards from the other systems should be at Data Automation. See fig 15-1, Product Request for the MCS reports.

ACCOUNTING AND FINANCE REPORT REQUEST (B3500)

CONTROL NUMBER 00009

TO: DATA AUTOMATION *(Production Control)*

TITLE OF PRODUCT - SUBSYSTEM

MCS - CONTROL INPUT (AUSE1C) RCS: HAF-ACF(M)7403.

BE SCHEDULED FOR PRODUCTION ON 08 Aug 1975 *(Date)*. AS OF DATE IS 31 Jul 1975.

REQUIRED DATA FOR INPUT FILE

FIELD DESCRIPTION	CARD COLUMN	REQUIRED DATA
RECORD ID	1-3	DCC
ABAB2N(ETA)/ARF27T(MMICS ADMIN) File Presence Indicator	4	1, 2, 3, or blank. Note 1
AAWD8A(A1)/ARF31T(MMICS STATUS) File Presence Indicator	5	1, 2, 3, or blank. Note 2
ABQMOA(BQ) File Presence Indicator	6	1 or blank. Note 3.
ABD50A(MDCS) File Presence Indicator	7	1 or blank. Note 3.
AUSE1B(1050) File Presence Indicator	8	1 or blank. Note 4.
AUSE1E(ENG) File Presence Indicator	9	1 or blank. Note 4.
AUSE1D(PEC) File Presence Indicator	10	1 or blank. Note 4.
END-OF-MONTH IND	11	1,2, or blank. Note 5.
REPORT 3 OPTION	12	1 or blank. Note 6.
REPORT 4 OPTION	13	1 or blank. Note 6.
REPORT 5 OPTION	14	1 or blank. Note 6
REPORT 6 OPTION	15	1 or blank. Note 6.
	16	blank.
AS-OF-DATE	17-25	YY⌀MMM⌀DD. Note 7

REMARKS

DATE	SIGNATURE *(Chief, Accounts Control Area)*
06 Aug 1975	D. D. Zolman

AF FORM 1728 MAY 69

Figure 15-1. Product Request, MCS Report RCS: HAF-ACF(M)7403.

ACCOUNTING AND FINANCE REPORT REQUEST (B3500)

CONTROL NUMBER: 00009

TO: *DATA AUTOMATION (Production Control)*

TITLE OF PRODUCT - SUBSYSTEM

MCS - CONTROL INPUT (AUSE1C) (cont).

BE SCHEDULED FOR PRODUCTION ON _____ (Date). AS OF DATE IS _____.

REQUIRED DATA FOR INPUT FILE

FIELD DESCRIPTION	CARD COLUMN	REQUIRED DATA
Installation Location Code	26-29	Note 8.
Base Name	30-48	Note 8.

REMARKS

DATE	SIGNATURE (Chief, Accounts Control Area)
08 Aug 75	D. D. Zolman

AF FORM MAY '69 1728 Figure 15-1. Product Request, MCS Report RCS: HAF-ACF(M)7403 (cont).

NOTES for fig 15-1:

Note 1: "1" indicates that tape file ABAB2N is to be read this run ---
"2" indicates that tape file ARF27T is to be read this run ---
"3" indicates that tape files ABAB2N and ARF27T are to be read this run ---
blank indicates that neither tape file is to be read this run ---

Note 2: "1" indicates that tape file AAWD8A is to be read this run ---
"2" indicates that tape file ARF31T is to be read this run ---
"3" indicates that tape files AAWD8A and ARF31T are to be read this run ---
blank indicates that neither tape file is to be read this run ---

Note 3: "1" indicates the applicable tape file is to be read this run ---
blank indicates it is not to be read this run ---

Note 4: "1" indicates the applicable card file is present in the run deck setup and is to be read this run ---
blank indicates the file is not present this run ---

Note 5: blank indicates that reports are not to be run yet ---
"1" indicates that the reports program are to be executed only if there are no outstanding errors at the conclusion of this run of the interface sub-system ---
"2" indicates that the reports programs are to be executed at the conclusion of this run of the interface sub-system whether there are outstanding errors or not ---

Note 6: "1" indicates that the applicable report is to be printed ---
blank indicates the report is not wanted ---
NOTE: the last DCC card read before reports is the one from which this option information is received. The option values from previous DCC cards are ignored and the most recent values are used.

Note 7: the date is required on each run.

Note 8: This field is required for the first run under implementation only. For subsequent runs, this field can be left blank unless change is desired.

NOTE: Any given original record that is an input from another system should be processed by the interface sub-system only one time. This means that any given tape or card should be processed only once (reruns necessitated by hardware or MCP malfunction excepted). 1050 cards may be input on multiple runs but any given card should be read only once. (This note pertains to inputs whose file presence flags are in columns 4 thru 9).

15.4 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT -- WBS WITHIN MDS WITHIN PEC (REPORT 1A). This report is mandatory at all management levels (that is, base, MAJCOM, USAF, and OSD). Cost per flying hour is not printed on the base level report 1A, but is in the data base being transmitted to MAJCOM and is printed on report 1A at MAJCOM level. The contents of report 1A are described in this paragraph and in fig 15-2.

a. Col 1, Categorizes the maintenance data nomenclature vertically by WBS, such as aircraft, airframe, engines, accessories, electronics and communications, armament and aerospace ground equipment within MDS within PEC. Total hour and cost data designations are given for each of these categories of data.

b. Col 2, Civilian Labor. Actual man-hours expended and dollar cost incurred for direct civilian personnel (100 labor). Dual line entries are provided (one for hours and one for cost) for each nomenclature (WBS) of data reported. Direct civilian labor hours are received from the maintenance data collection system and are documented on AFTO Form 349, Maintenance Data Collection Record. Hours from these documents are costed by application of an average hourly labor rate for each grade and type of civilian (wage scale, wage board, etc.) for direct civilian personnel. The resulting direct civilian labor cost includes regular pay, night differential, overtime, holiday pay, personnel benefits, etc. All of the direct civilian labor cost is classified as funded costs.

c. Col 3, Military Labor. Man-hours expended and dollar cost incurred for direct (100 labor) military personnel. Dual line entries are provided (hours/cost), for each nomenclature of data reported. Actual direct military labor hours (including hours for military overtime) come from the maintenance data collection system and are documented on the AFTO Form 349. Hours from these documents are costed by application of an average hourly labor rate for direct military personnel, developed on the basis of grade, quantity, and the composite standard rate table in AFM 177-101, para 50205. Dollars and hours of military overtime labor included in this column are separately identified at the bottom of this report.

d. Col 4, Material (Funded). Cost of expense material used in direct production. All material cost reported in this column is classified as funded cost. This column represents direct material issues which are identifiable to a specific MDS, and bench stock issues which are related to one MDS. All the supplies and expense material are reported to MCS from the U1050-II standard base supply system through the material accounting subject matter area located in the accounting and finance office.

e. Col 5, Material (Unfunded). Repair cost of investment items (not reparable this station, NRTS) by AFLC at 20 percent of the stock list price (SLP), the initial issue of investment items and AFLC time compliance technical order (TCTO) kits at SLP. Initial issue and most TCTO kits are financed by AFLC from central procurement funds and the repair of NRTS items by depot maintenance is funded by AFLC from operation and maintenance (O&M) funds. Therefore, these costs are considered to be unfunded, with respect to base maintenance O&M funds. The dollar value of exchange

material items included in this column is separately reported at the bottom of this report.

f. Col 6, Contractor Maintenance. Cost of maintenance accomplished by contract, but excluding contractor-operated facilities under EEIC 57X. All contract maintenance cost is classified as funded (direct cost). Contractor maintenance costs are provided from the general accounting system under EEIC 56X.

g. Col 7, Government Furnished Material (GFM). Cost of material furnished to contractors without charge. GFM includes expense (funded cost) and investment (unfunded cost) items given to a contractor (excluding contractor operated facilities) for use during repair. The dollar value for GFM investment items (that is, initial issues, exchange material and TCTO kits) included in this column is separately reported at the bottom of the report. GFM information is received from the material accounting system. Generally, this material is of the type peculiar to the USAF inventories and is classified as direct material cost.

h. Col 8, Indirect Productive. Expenses not directly identifiable with end products but identifiable to the production effort (does not include general and administrative expenses and overhead). These costs are classified as indirect productive expenses and include: (1) The cost of military and civilian supervision from the MMICS admin system (ETA); (2) training, detail, leave, comp taken (hour only), alert, and various miscellaneous expenses identifiable to the productive function from the MDCS; (3) indirect material such as bench stock (not identifiable to one MDS) from the material accounting system; (4) COPARS/COCESS and other LP from the material accounting and the general accounting system; (5) AVGAS (non-fly) from the general accounting system. Indirect productive costs are distributed to the various cost categories on the basis of the direct labor hours. Data in this column is reported in dual line entries to provide both hours and cost. Cost shown in this column is funded.

i. Col 9, Indirect Non-Productive. Expenses identifiable to the general and administrative (G&A) function of maintenance as opposed to the shop functions. This type cost includes all the labor, materials, and other overhead costs incurred by or in support of the chief of maintenance and staff (that is, labor code 310 -- branch chief or above). Labor hours for military and civilian comes from the MMICS admin subsystem (ETA). Other costs included in this indirect nonproductive column are rents, TDY, contractual services, purchased utilities, communications, printing, reproduction, and other services, all from the general accounting system. Data in this column is reported in dual line entries to provide both hours and cost. Cost of accrued annual leave for civilian employees is included in this column and is also separately shown at the bottom of this report (year-end report only) as an unfunded cost. Indirect non-productive costs are pro-rated to each cost classification (that is, WBS, MDS and PEC) based on direct labor hours actually performed.

j. Col 10, Cumulative Total This Month. Total cost (funded and unfunded) for the month ended. Data in this column is reported in dual line entries to provide hours and cost. Cost reported in this column includes all the cost and hours reported in col 2 through 9.

k. Col 11, Fiscal Year Cumulative. Total cost (funded and unfunded) for the FY (cumulative). Data in this column is reported in dual line entries to provide hours and cost. Cost reported in this column includes all of the cost and hour recorded since the beginning of the FY.

15.5 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT -- NON-MDS BY WBS (REPORT 1B). This report is mandatory at all management levels. The contents of report 1B are described below and in fig 15-3.

a. Col 1, Workload Breakdown Structure. Various categories of WBS for which hour and cost data is accumulated. These hours and costs are considered non-weapon system related and are not charged or distributed to an aircraft MDS at base or MAJCOM level. There are Non-MDS, Non-Local (transient) and Queen Bee total lines. These plus the total line from report 1-A equal the Organization Total line.

b. Col 2, Civilian Labor. See para 15.4 b.

c. Col 3, Military Labor. See para 15.4 c.

d. Col 4, Material (Funded). See para 15.4 d.

e. Col 5, Material (Unfunded). See para 15.4 e.

f. Col 6, Contractor Maintenance. See para 15.4 f.

g. Col 7, Government Furnished Materials. See para 15.4 g.

h. Col 8, Indirect Productive. See para 15.4 h.

i. Col 9, Indirect Non-Productive. See para 15.4 i.

j. Col 10, Cumulative Total This Month. See para 15.4 j.

k. Col 11, Fiscal Year Cumulative. See para 15.4 k.

l. At the bottom of this report are these items:

(1) * - $ for -0- Military Overtime Hours.
(2) ** - $ for Exchange Material.
(3) *** - $ for Investment Items.
(4) **** - $ for Accrued Annual Leave.

These items are shown separately for Non-MDS and for Non-Local.

15.6 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT -- WAC WITHIN MDS WITHIN PEC (REPORT 2-A). This report is by work accomplishment code (WAC) within mission, design and series (MDS) within program element code (PEC). This report is mandatory at all management levels. The contents of report 2-A are described below and in fig 15-4.

a. Col 1, Work Accomplishment Code. Breakdown of WAC within MDS/PEC. These WACs apply:

(1) Programmed Maintenance (MAC).
(2) Activation/Inactivation.
(3) Modification.
(4) Repair.
(5) Inspection & Test (includes engine buildup & teardown).
(6) Other Support.
(7) Research & Development.

b. Col 2, Civilian Labor. Actual man-hours expended and dollar cost incurred for direct civilian personnel (100 labor). Dual line entries are provided (one for hours and one for cost) for each nomenclature (WAC) of data reported. Direct civilian labor hours are received from the maintenance data collection system and are documented on AFTO Form 349, Maintenance Data Collection Record. Hours from these documents are costed by application of an average hourly labor rate for each grade and type of civilian (wage scale, wage board, etc.) for direct civilian personnel. The resulting direct civilian labor cost includes regular pay, night differential, overtime, holiday pay, personnel benefits, etc. All of the direct civilian labor cost is classified as funded costs.

c. Col 3, Military Labor. Man-hours expended and dollar cost incurred for direct (100 labor) military personnel. Dual line entries are provided (hours/cost), for each nomenclature (WAC) of data reported. Actual direct military labor hours (including hours of military overtime) come from the maintenance data collection system and are documented on the AFTO Form 349. Hours from these documents are costed by application of an average hourly rate for direct military personnel, developed on the basis of grade, quantity and the composite standard rate table in AFM 177-101, para 50205.

d. Col 4, Material (Funded). See para 15.4 d. Only modification and repair have cost for material funded.

e. Col 5, Material (Unfunded). Repair cost of investment items (not reparable this station, NRTS) by AFLC at 20 percent of the stock list price (SLP), the initial issue of investment items and AFLC time compliance technical order (TCTO) kits at SLP. Initial issue and most TCTO kits are financed by AFLC from central procurement funds and the repair of NRTS items by depot maintenance is funded by AFLC from operation & maintenance (O&M) funds. Therefore, these costs are considered to be unfunded, with respect to base maintenance O&M funds. Only modification and repair has cost for material (unfunded).

f. Col 6, Contractor Maintenance. See para 15.4 f.

g. Col 7, Government-Furnished Material (GFM). Cost of material furnished to contractors without charge. GFM includes expense and investment items (that is, initial issues, exchange material and TCTO kits) given to a contractor (excluding contractor-operated facilities) for use during repair. GFM information is received from the material accounting system. Generally, this material is of the type peculiar to the USAF inventories and is classified as direct material cost.

h. Col 8, Indirect Productive. See para 15.4 h.

i. Col 9, Indirect -- Non-Productive. Expenses which are identifiable to the general and administrative (G&A) function of maintenance as opposed to the shop functions. This type cost includes all the labor, materials, and other overhead costs incurred by or in support of the chief of maintenance and staff (that is, labor code 310 -- branch chief or above). Labor hours for military and civilian comes from the MMICS admin subsystem (ETA). Other costs included in this indirect nonproductive column are rents, TDY, contractual services, purchased utilities, communications, printing and reproduction and other services, is all from the general accounting system. Data in this column is reported in dual line entries to provide both hours and cost. Indirect non-productive costs are prorated to each WAC based on direct labor hours actually performed.

j. Col 10, Cumulative Total This Month. See para 15.4 j.

k. Col 11, Fiscal Year Cumulative. See para 15.4 k.

15.7 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT -- NON MDS BY WAC (REPORT 2-B). This report is mandatory at all management levels; it is by non-mission/design/series by work accomplishment code. The contents of report 2-B are described below in fig 15-5.

a. Col 1, Work Accomplishment Code. Breakdown of non-weapon system WACs for which hour and cost data is accumulated. A non-MDS total, a Non-Local (Transient) Total, and a Queen Bee Total line, plus the total line from report 2-A equal the Organization Total line. The WACs in this report are:

(1) Activation/Inactivation
(2) Renovating & Storage
(3) Modification
(4) Repair
(5) Inspection & Test
(6) Manufacture
(7) Other Support
(8) Research & Development

b. Col 2, Civilian Labor. See para 15.6 b.

c. Col 3, Military Labor. See para 15.6 c.

d. Col 4, Material (Funded). See para 15.4 d and 15.6 d.

e. Col 5, Material (Unfunded). See para 15.6 e.

f. Col 6, Contractor Maintenance. See para 15.4 f.

g. Col 7, Government Furnished Material (GFM). See para 15.6 g.

h. Col 8, Indirect Productive. See para 15.4 h.

i. Col 9, Indirect Non-Productive. See para 15.6 i.

j. Col 10, Cumulative Total This Month. See para 15.4 j.

k. Col 11, Fiscal Year Cumulative. See para 15.4 k.

15.8 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT -- BY INDIRECT PRODUCTIVE LABOR CATEGORY (REPORT 3). This report provides a breakdown of indirect productive labor expenses. Hours and cost data on this report have been distributed to PEC and MDS, non-MDS, and non-local based on direct labor hour ratios. This report is optional at base level. The contents of this report are described below and in fig 15-6.

a. Col 1, Categorizes the maintenance nomenclature vertically by MDS within PEC, non-MDS and non-local with dual line entries, hours and cost. An Organization Total line includes PEC/MDS, non-MDS and non-local totals. Immediately below the organization totals are the percentages that the hours in each of the columns bear to the total hours (civilian or military). In parentheses are the total civilian hours and total military hours including all hours for direct-100 labor, indirect productive-300 labor and indirect non-productive-310 labor.

b. Col 2, Supervision (Civilian). Hours and cost of civilian supervisory labor. The manhours are collected in the MMICS admin subsystem (ETA) and costed at the average civilian labor rate (for labor classification code 300-indirect productive labor). Overtime, night differential, and personal benefits are included in the distribution of the civilian payroll cost. The average civilian labor rate is in para 4.2.

c. Col 3, Supervision (Military). Hours and cost of military supervisory labor. The manhours are collected in the MMICS admin subsystem (ETA) and costed at the average standard military expense rates (for labor classification code 300-indirect productive labor) developed from the standard rate table in AFM 177-101, para 50205. The standard rate table does not include amounts for personnel benefits, accrued leave, holidays, and retirements. See para 4.3 for a description of the military labor rate.

d. Col 4, Training (Civilian). Hours and cost of all time expended

by maintenance civilian trainees and instructors (assigned to labor code 100-direct productive labor) who work in connection with the training of the directorate of maintenance shop personnel. This excludes on-the-job traning (other than apprentice) when direct production is accomplished and instructors assigned to labor code 310-indirect nonproductive labor. All the training cost reported in this column must apply to the training of shop personnel (100 labor) as opposed to overhead personnel (300 and 310 labor). The hours in this column come from the MDCS and are multiplied by the applicable civilian labor rate.

e. Col 5, Training (Military). Hours and cost of all time expended by maintenance military trainees and instructors (assigned to labor code 100-direct productive labor) who work in connection with training of the directorate of maintenance shop personnel (100 labor). This account excludes on-the-job training (other than apprentice) when direct production is accomplished and instructors assigned to labor code 310-indirect nonproductive labor. All the training cost reported in this column must apply to the training of shop personnel (100 labor) as opposed to overhead personnel (300 and 310 labor). The hours reported come from the MDCS and are multiplied by the applicable military labor rate.

f. Col 6, Detail (Civilian). Hours and cost of civilian direct labor personnel used in support of non-maintenance functions, for example, base civil engineer, base vehicle maintenance, inventory detail, audits, etc. All the hours in this column apply to the detail of maintenance personnel for whom an AFTO Form 349 is reported. The hours reported come from the MDCS and are multiplied by the applicable civilian labor rate.

g. Col 7, Detail (Military). Hours and cost of military direct labor personnel in support of non-maintenance functions, for example, base civil engineer, base vehicle maintenance, inventory detail, audits, etc. All the hours in this column apply to the detail of maintenance personnel for whom an AFTO Form 349 is reported. The hours reported come from the MDCS and are multiplied by the applicable military labor rate.

h. Col 8, Leave (Civilian). Hours and cost of leave (annual, sick, etc.) used by civilian direct labor personnel. All the hours in this column are reported from the MDCS when an AFTO Form 349 is reported on a maintenance personnel. These hours are multiplied by the applicable civilian labor rate.

i. Col 9, Leave (Military). Hours and cost of leave (annual, sick, etc.) used by military direct labor personnel. All the hours in this column are reported from the MDCS when an AFTO Form 349 is reported on maintenance personnel. These hours are multiplied by the applicable military labor rate.

j. Col 10, Compensatory Time Taken (COMP Taken) Civilian. Hours of compensatory time taken off by civilian direct labor personnel. Only hours are reported in this column and they are received from the MDCS when an AFTO Form 349 is reported on maintenance personnel.

k. Col 11, Compensatory Time Taken (Comp Taken) Military. Hours of compensatory time taken off by military direct labor personnel. Only hours are reported in this column and they are received from the MDCS when an AFTO Form 349 is reported on maintenance personnel.

l. Col 12, Alert (Civilian). Hours and cost of alert duty for civilian direct labor personnel. The hours in this column are reported from the MDCS when an AFTO Form 349 is reported on maintenance personnel. These hours are multiplied by the applicable civilian labor rate.

m. Col 13, Alert (Military). Hours and cost of alert duty for military direct labor personnel. The hours in this column are reported from the MDCS when an AFTO Form 349 is reported on maintenance personnel. These hours are multiplied by the applicable military labor rate.

n. Col 14, Miscellaneous (Civilian). Compute from:

Net assigned Direct Labor Hours
+Overtime Direct Labor Hours
-Training Indirect Labor Hours
-Detail Indirect Labor Hours
-Leave Indirect Labor Hours
-Comp Taken Indirect Labor Hours
-Alert Indirect Labor Hours
-Performed Direct Labor Hours
=Miscellaneous

Multiply the total hours from this computation by the applicable civilian labor rate. This column represents the hours and cost of civilian direct labor personnel not accounted for as direct labor, supervision, training, detail, leave, comp taken, and alert.

o. Col 15, Miscellaneous (Military). Compute from:

Net assigned Direct Labor Hours
+Overtime Direct Labor Hours
-Training Indirect Labor Hours
-Detail Indirect Labor Hours
-Leave Indirect Labor Hours
-Comp Taken Indirect Labor Hours
-Alert Indirect Labor Hours
-Actual Performed Direct Labor Hours
=Miscellaneous

Multiply the total hours from this computation by the applicable military labor rate. This column represents the hours and cost of military direct labor personnel not accounted for as direct labor, supervision, training, detail, leave, comp taken, and alert.

p. Col 16, Total. Total hours and cost of indirect productive labor expense for the month being reported. The hours and cost are the totals of the amounts reported in col 2 through 15.

15.9 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT -- BY INDIRECT NONPRODUCTIVE CATEGORY (REPORT 4). This report provides a breakdown of indirect nonproductive expenses. Hours and cost data on this report have been distributed to PEC and MDS, non-MDS and non-local (transient). This report is optional at base level. The contents of this report are described below and in fig 15-7.

a. Col 1, Categorizes the maintenance nomenclature vertically by MDS within PEC, non-MDS and non-local (transient) with dual line entries, hours and cost. An Organization Total line includes the PEC/MDS, non-MDS, and non-local totals.

b. Col 2, Civilian. Hours and cost of civilian labor for nonproductive functions -- 310 labor (overhead or general and administrative (G&A). These hours are reported from the MMICS admin subsystem (ETA) and are distributed to MDS, non-MDS and non-local on the basis of the direct labor hours charged to the various MDSs, non-MDS and non-local. These hours are then multiplied by the applicable civilian labor rate for 310 workers.

c. Col 3, Military. Hours and cost of military labor for nonproductive functions -- 310 labor (overhead or general and administrative (G&A). These hours are reported from the MMICS admin subsystem (ETA) and are distributed to MDS, non-MDS and non-local on the basis of the direct labor hours charged to the various MDSs, non-MDS, and non-local. These hours are then multiplied by the applicable military labor rate for 310 workers.

d. Col 4, Rents. An indirect nonproductive cost. Only costs are shown in this column. The costs (EEIC47X) are extracted from the accounting systems for operations and input into the MCS. These costs are distributed to the various MDS, non-MDS, and non-local based on the direct labor hours (100 labor) charged to the various categories.

e. Col 5, TDY. An indirect nonproductive cost. Only costs are shown in this column. The costs (EEIC 40X) are extracted from the accounting systems for operations and input into the MCS. These costs are distributed to the various MDS, non-MDS, and non-local based on the direct labor hours (100 labor) charged to the various categories.

f. Col 6, Contractual Services. An indirect non-productive cost. Only costs are shown in this column. The costs (EEIC 5XX excluding 51X, 569 and 570) are extracted from the accounting system for operations and input into the MCS. These costs are distributed to the various MDSs, non-MDS, and non-local based on the direct labor hours (100 labor) charged to the various categories.

g. Col 7, Others. An indirect nonproductive cost. Only costs are shown in this column. The costs (EEICs 396, 501, 52X, 53X, 54X, 55X and 4XX except 40X and 47X) are extracted from the accounting systems for operations and input into the MCS. These costs are distributed to the various MDSs, non-MDS and non-local based on the direct labor hours (100 labor) charged to the various categories.

h. Col 8, Total. Total cost of indirect nonproductive expenses for the month being reported. This column includes the total cost in col 2 through 7.

15.10 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT -- BY MATERIAL CATEGORY (REPORT 5). This report provides a breakdown of material category for each MDS within PEC, non-MDS and non-local (transient). Only cost data is shown. This report is optional at base level. The contents of this report are described below and in fig 15-8.

a. Col 1, Categorizes the maintenance nomenclature by PEC within MDS, non-MDS and non-local. There is also an Organization Total line which includes all the categories.

b. Col 2, MDS. Lists the mission/design/series of aircraft (if applicable).

c. Col 3, Bench Stock (Non-MDS). Cost of material issued to bench stocks during the month and not identifiable to a specific MDS. All material issued to non-MDS bench stocks is classified as indirect productive cost in the MCS. The information in this column comes from the material accounting system. Bench stock (non-MDS) is an indirect material cost. Indirect material is not directly identifiable to the MDS of the equipment to which it applies. Bench stock (Non-MDS) costs are distributed to the PEC/MDS, non-MDS and non-local on the basis of the direct labor hours.

d. Col 4, COPARS/COCESS and Other. Cost of material acquired from contractor-operated parts stores (COPARS), contractor-operated civil engineer supply stores (COCESS), and other purchases from commercial sources. These items are costed from material accounting system (60X other than bench stock) and the accounting system for operations (EEIC 619 and 639) and are classified as indirect productive expenses. COPARS/COCESS/and other are indirect material costs. Indirect material is not directly identifiable to the MDS of the equipment to which it applies. COPARS/COCESS/and other costs are distributed to the PEC/MDS, non-MDS, and non-local on the basis of the direct labor hours.

e. Col 5, AVGAS (Non-Fly). Cost of aviation POL consumed during the month being reported for nonflying functions, for example, engine test. This cost is reported to MCS from the accounting systems for operations (EEIC 693) and is classified as indirect productive expenses. AVGAS (Non-FLY) is an indirect material cost and is not directly identifiable to the MDS of the equipment to which it is applied. AVGAS (non-fly) costs are distributed to the PEC/MDS, non-MDS and non-local on the basis of the direct labor hours.

f. Col 6, Direct Material (Funded). Cost of direct material used during the month for organic maintenance which is fully funded by the maintenance operating budget from operation and maintenance (O&M) funds. Direct material is reported to MCS from the material accounting system and is identified directly to the equipment to which it is applied -- PEC/MDS, non-MDS or non-local.

g. Col 7, Government Furnished Material (Funded). Cost of direct material furnished contractor(s) (Government-furnished material, GFM) to be used in the contractual repair of maintenance equipment. GFM is reported to MCS from the material accounting system. GFM is funded by the maintenance operating budget from O&M funds and is identified directly to the equipment to which it is applied -- PEC/MDS, non-MDS, or non-local.

h. Col 8, Total. Total funded material cost for the month being reported (col 3 through 7) for each line of data.

i. Col 9, Cumulative To Date. Total funded material cost cumulative FY to date, for each line entry. The Organization Total cumulative to date is mechanically compared to the Material Budgeted total (col 10) to produce the percent of budgeted amount (col 11).

j. Col 10, Material Budget. Amount of material designated in the directorate of maintenance budget, quarterly cumulative to date. The only entry in this column is under the Organization Total category.

k. Col 11, Percent of Budget. Percentage of total budgeted material consumed to date. This percentage relationship is provided for use in the study and analysis of material consumption.

15.11 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT -- BY CUSTOMER (REPORT 6). This report is arranged under three broad categories Air Force Tenants Support (subdivided by command), Air Force Transient Support (subdivided by command), and Other Support (further subdivided by activity support). A total is provided for each of these major captions. This report is optional at base level. The contents of this report are described below and in fig 15-9.

a. Col 1. This identifies the customer -- tenants, transient and other. Totals are provided for each category and a Grand Total line includes all categories. Both hours and cost are provided where applicable.

b. Col 2, Civilian Labor. See para 15.4 b.

c. Col 3, Military Labor. See para 15.4 c.

d. Col 4, Material (Funded). See para 15.4 d.

e. Col 5, Material (Unfunded). See para 15.4 e.

f. Col 6, Contractor Maintenance. See para 15.4 f.

g. Col 7, Government Furnished Material. See para 15.4 g.

h. Col 8, Indirect Productive. See para 15.4 h.

i. Col 9, Indirect Non-Productive. See para 15.4 i.

j. Col 10, Cumulative Total This Month. See para 15.4 j.

k. Col 11, Fiscal Year Cumulative. See para 15.4 k.

15.12 DISTRIBUTION OF REPORTS. Data Automation sends all MCS reports to the MCS manager located in the accounting and finance office. After the MCS Manager has reviewed the reports, send the original copy of each report to the chief of maintenance who performed the work. The reports should be accompanied by the executive management summary prepared by the MCS manager (chap 17). Also forward copies of the reports to base management analysis (ACM) and budget (ACB). The MCS manager keeps one carbon copy of the MCS reports. Reports should be retained per AFM 12-50.

PREPARED 75 MAY 13 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT AS OF 75 APR 30 RCS: HAF-ACF(M)7403
ORGANIZATION 0000 ADW CE BASE NAME TYNDALL AFB FLA -------WBS WITHIN MDS WITHIN PEC---------

PEC 12897F MDS	F106B	CIVILIAN LABOR	MILITARY LABOR *	MATERIAL (FUNDED)	MATERIAL (UNFUNDED) **	CONTRACTOR MAINT	GOVT FURN MAT ***	INDIRECT PRODUCTIVE	INDIRECT NON-PROD	CUM TOTAL THIS MO	FY CUM
ACFT	HRS	1,168	21,022					16,105	7,036	45,331	45,331
	COST	8,316	81,565	44,024	158,143	45	0	256,823	45,833	596,749	596,749
AFRM	HRS	46	100					106	47	299	299
	COST	326	388	0	0	1	0	1,703	301	2,721	2,721
ENG	HRS	379	1,495					1,360	534	3,828	3,328
	COST	2,698	5,801	1,760	288	3	0	21,658	3,871	36,279	36,279
ACSS	HRS	137	78					156	53	439	439
	COST	976	303	0	0	1	0	2,508	444	4,232	4,232
ECOM	HRS	117	1,375					1,083	473	3,048	3,048
	COST	833	5,335	0	0	3	0	17,402	3,082	26,655	26,655
ARMT	HRS	33	33					46	21	135	135
	COST	235	128	0	0	0	0	770	135	1,269	1,269
TOTAL	HRS	1,880	24,103					18,858	8,239	53,080	53,080
	COST	13,386	93,520	45,784	158,431	53	0	303,054	53,667	667,905	667,905

* INCL $5715 FOR 1473 MIL OTIME HRS ** INCL $155620 FOR EXCHANGE MATL *** INCL $0 FOR INVESTMENT ITEMS
**** INCL $0 FOR ACCRUED ANNUAL LEAVE
RCS: HAF-ACF(M)7403

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Figure 15-2. WBS Within MDS Within PEC (Report 1A).

PREPARED 75 JUN 23 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT AS OF 75 JUN 14 RCS: HAF-ACF(M)7403
ORGANIZATION 0000 ADW CE BASE NAME TYNDALL AFB FLA ----------NON-MDS BY WBS----------

		CIVILIAN LABOR	MILITARY LABOR *	MATERIAL (FUNDED)	MATERIAL (UNFUNDED) **	CONTRACTOR MAINT	GOVT FURN MAT ***	INDIRECT PRODUCTIVE	INDIRECT NON-PROD	CUM TOTAL THIS MO	FY CUM
SUP	HRS	580	1,896					1,936	876	5,288	10,023
SPT	COST	4,530	7,338	0	0	5	0	11,288	5,241	28,402	53,449
TNRS	HRS	4	1					4	2	11	15
	COST	31	4	0	0	0	0	23	10	68	94
MUNS	HRS	0	1,262					987	446	2,695	5,408
	COST	0	4,884	0	0	2	0	5,755	2,672	13,314	31,074
CEM	HRS	0	4					3	1	8	61
	COST	0	15	65	0	0	0	19	8	107	683
MSLS	HRS	0	2,353					1,840	833	5,026	10,296
	COST	0	9,106	4,512	7,366	5	0	10,731	4,981	36,731	71,115
PME	HRS	319	2,104					1,895	857	5,175	10,317
	COST	2,492	8,143	0	0	6	0	11,056	5,125	26,822	52,095
AGE	HRS	1,888	9,509					8,914	4,033	24,344	51,421
	COST	14,745	36,800	15,387	3,994	22	0	51,980	24,127	147,255	301,511
OTHER	HRS	0	0					0	0	0	0
	COST	0	0	5,265	58,334	0	0	0	0	63,599	249,557
NON-MDS TOTAL	HRS	2,791	17,129					15,579	7,048	42,547	83,546
	COST	21,798	66,290	25,229	69,694	40	0	90,853	42,164	316,068	759,579
NON-LOCAL	HRS	2,742	2,339					3,971	1,805	10,857	22,372
	COST	21,415	9,052	48	97	7	0	23,183	10,803	54,505	129,429
QUEEN-BEE	HRS	85	513					455	212	1,275	2,919
	COST	664	1,985	0	0	1	0	2,719	1,268	6,637	14,868
ORG TOTAL	HRS	12,869	86,909					78,025	35,312	213,115	435,422
NON-MDS	COST	100,508	336,338	150,362	436,551	196	0	455,042	211,246	1,690,243	3,453,707

* INCL $484 FOR 125 MIL OTIME HRS ** INCL $53080 FOR EXCHANGE MATL *** INCL $0 FOR INVESTMENT ITEMS

NON-LOCAL
* INCL $92 FOR 24 MIL OTIME HRS ** INCL $97 FOR EXCHANGE MATL *** INCL $0 FOR INVESTMENT ITEMS

QUEEN-BEE
* INCL $391 FOR 101 MIL OTIME HRS ** INCL $0 FOR EXCHANGE MATL *** INCL $0 FOR INVESTMENT ITEMS

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Figure 15-3. Non-MDS by WBS (Report 1B).

PREPARED 75 MAY 03 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT AS OF 75 APR 30 RCS: HAF-ACF(M)7403

ORGANIZATION CCOC AUM CE BASE NAME TYNDALL AFB FLA -------WAC WITHIN MDS WITHIN PEC--------

PEC 12897F MDS F106B		CIVILIAN LABOR	MILITARY LABER	MATERIAL (FUNDED)	MATERIAL (UNFUNDED)	CONTRACTOR MAINT	GOVT FURN MAT	INDIRECT PRODUCTIVE	INDIRECT NON-PROD	CUM TOTAL THIS MD	FY CUM
ACT/ INACT	HRS	0	2					1	1	4	4
	COST	0	8			0		23	4	35	35
MOD	HRS	4	221					164	71	460	460
	COST	28	857	0	0	0	0	2,625	465	3,975	3,975
REPAIR	HRS	1,166	10,077					8,151	3,566	22,972	22,972
	COST	8,317	39,099	45,784	158,431	23	0	131,161	23,225	406,041	406,041
INSP & TEST	HRS	685	8,747					6,646	2,390	19,268	19,268
	COST	4,877	33,938			20		110,014	19,431	168,330	168,330
OTHER SPT	HRS	23	5,056					3,686	1,611	10,376	10,376
	COST	164	19,618			10		59,241	10,491	89,524	89,524
TOTAL	HRS	1,880	24,103					18,858	3,239	53,080	53,080
	COST	13,386	93,520	45,784	158,431	53	0	303,054	53,667	667,905	667,905

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Figure 15-4. WAC Within MDS Within PEC (Report 2A).

PREPARED 75 MAY 03 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT AS OF 75 APR 30 RCS: HAF-ACF(M)7403.
ORGANIZATION 0000 ADW CE BASE NAME TYNDALL AFB FLA ----------NON-MDS BY WAC----------

		CIVILIAN LABOR	MILITARY LABOR	MATERIAL (FUNDED)	MATERIAL (UNFUNDED)	CONTRACTOR MAINT	GOVT FURN MAT	INDIRECT PRODUCTIVE	INDIRECT NON-PROD	CUM TOTAL THIS MO	FY CUM
ACT/ INACT	HRS	0	94					56	30	192	192
	COST	0	365			0		1,096	194	1,655	1,655
R&S	HRS	0	2,561					1,860	811	5,232	5,232
	COST	0	9,937			5		29,878	5,291	45,111	45,111
MOD	HRS	2	132					97	43	274	274
	COST	14	512	0	0	1	0	1,563	277	2,367	2,367
REPAIR	HRS	936	3,630					3,454	1,510	9,724	9,724
	COST	6,621	14,861	25,645	85,450	9	0	55,521	9,333	197,940	197,940
INSP & TEST	HRS	624	6,883					5,595	2,444	15,746	15,746
	COST	5,868	26,705			15		89,913	15,923	138,424	138,424
MFR	HRS	687	1,537					1,761	768	4,953	4,953
	COST	6,315	5,964			5		28,273	5,004	45,561	45,561
R&D	HRS	456	3,441					2,830	1,236	7,965	7,965
	COST	3,261	13,351			8		45,481	8,053	70,154	70,154
NON-MDS TOTAL	HRS	3,101	18,478					15,665	6,842	44,086	44,086
	COST	22,079	71,695	25,645	85,450	43	0	251,725	44,575	501,212	501,212
NON-LOCAL	HRS	2,699	2,789					3,979	1,738	11,205	11,205
	COST	19,218	10,823	23,710	62,147	11	0	63,994	11,305	191,208	191,208
QUEEN BEE	HRS	1	91					65	30	197	197
	COST	7	357	2,422	62,147	0	0	1,066	195	87,190	87,190
ORG TOTAL	HRS	11,515	80,288					66,628	29,109	187,540	187,540
	COST	81,987	311,519	128,406	397,281	188	0	1,070,810	189,607	2,179,798	2,179,798

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Figure 15-5. Non-MDS by WAC (Report 2B).

PREPARED 75 MAY 03 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT AS OF 75 APR 30 RCS: HAF-ACF(M)7403
ORGANIZATION 0000 ADW CE BASE NAME TYNDALL AFB FLA -BY INDIRECT PRODUCTIVE LABOR CATEGORY-

	SUPERVISION CIV	SUPERVISION MIL	TRAINING CIV	TRAINING MIL	DETAIL CIV	DETAIL MIL	LEAVE CIV	LEAVE MIL	COMP TAKEN CIV	COMP TAKEN MIL	ALERT CIV	ALERT MIL	MISCELLANEOUS CIV	MISCELLANEOUS MIL	TOTAL
PEC 12897F MDS F101B															
HRS	120	2359	14	485	8	713	130	647	0	150	0	71	234	2727	7658
COST	982	13210	100	1882	57	2766	926	2510			0	275	1666	10581	34955
PEC 12897F MDS F101F															
HRS	27	541	3	111	1	163	29	149	0	34	0	16	54	625	1753
COST	221	3030	21	431	7	632	206	578			0	62	384	2425	7937
PEC 12114F MDS F106A															
HRS	65	1266	8	260	4	383	69	347	0	81	0	38	126	1464	4111
COST	532	7090	57	1009	28	1486	491	1346			0	147	897	5580	13763
PEC 12897F MDS F106B															
HRS	296	5807	34	1193	18	1757	320	1595	0	370	0	174	577	6717	18358
COST	2421	32519	242	4629	128	6817	2278	6189			0	675	4108	26052	85068
PEC 12897F MDS T033A															
HRS	209	4105	24	843	13	1242	226	1127	0	261	0	123	409	4747	13329
COST	1710	22988	171	3271	93	4819	1609	4373			0	477	2912	18418	60841
PEC MDS CH003E															
HRS	8	157	1	32	1	47	9	43	0	10	0	5	16	181	510
COST	65	879	7	124	7	182	64	167			0	19	114	702	2330
PEC MDS HH003E															
HRS	6	108	1	22	0	33	6	29	0	7	0	3	11	125	351
COST	49	605	7	85	0	128	43	113			0	12	78	485	1605
PEC 12114F MDS QF102A															
HRS	0	16	0	4	0	4	0	5	0	1	0	0	2	18	50
COST	0	90	0	16	0	16	0	19			0	0	14	70	225
PEC 12114F MDS TF102A															
HRS	1	6	0	1	0	2	0	2	0	1	0	0	0	7	20
COST	8	34	0	4	0	8	0	8			0	0	0	27	89
PEC 12896F MDS VT029D															
HRS	5	106	1	22	1	32	6	29	0	6	0	3	11	122	344
COST	41	594	7	85	7	124	43	113			0	12	78	473	1577
NON-MDS															
HRS	246	4823	28	990	15	1460	267	1324	0	306	0	146	480	5580	15665
COST	2012	27009	199	3842	107	5665	1901	5137			0	567	3417	21651	71507
NON-LOCAL															
HRS	61	1205	4	248	4	365	58	332	0	78	0	35	118	1375	3214
COST	497	6754	28	967	28	1419	481	1293			0	138	837	5423	17865

Figure 15-6. By Indirect Productive Labor Category (Report 3).

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PREPARED 75 MAY 03 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT AS OF 75 APR 30 RCS: HAF-ACF(A)7403
ORGANIZATION 3000 ADW CE BASE NAME TYNDALL AFB FLA -BY INDIRECT PRODUCTIVE LABOR CATEGORY-

	SUPERVISION CIV	SUPERVISION MIL	TRAINING CIV	TRAINING MIL	DETAIL CIV	DETAIL MIL	LEAVE CIV	LEAVE MIL	COMP TAKEN CIV	COMP TAKEN MIL	ALERT CIV	ALERT MIL	MISCELLANEOUS CIV	MISCELLANEOUS MIL	TOTAL
QUEEN-BEE															
HRS	1	21	0	4	0	6	1	5	0	1	0	0	2	24	65
COST	8	118	0	16	0	23	7	19			0	0	14	93	298
ORG TOTAL															
HRS	1045	20520	118	4215	65	6207	1131	5634	0	1306	0	614	2040	23733	66628
COST	8546	114920	639	16361	462	24085	8049	21865			0	2384	14519	92090	304120
PERCENT OF TOTAL LABOR HOURS (CIV=15,914; MIL=171,626)															
	6%	11%	0%	2%	0%	3%	7%	3%	0%	0%	0%	0%	12%	13%	

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Figure 15-6. (Cont'd).

PREPARED 75 MAY 03 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT AS OF 75 APR 30 RCS: HAF-ACF(M)7403
ORGANIZATION 0000 ADW CE BASE NAME TYNDALL AFB FLA ---BY INDIRECT NONPRODUCTIVE CATEGORY---

PEC MDS		CIVILIAN	MILITARY	RENTS	TDY	CONTR SVC	OTHERS	TOTAL
12897F	HRS	0	3,346					3,346
F101B	COST	2,093	19,273	0	170	0	258	21,794
12897F	HRS	0	767					767
F101F	COST	482	4,418	0	39	0	59	4,998
12114F	HRS	0	1,796					1,796
F106A	COST	1,124	10,345	0	91	0	138	11,698
12897F	HRS	0	8,239					8,239
F106B	COST	5,155	47,457	0	419	0	636	53,667
12897F	HRS	0	5,824					5,824
T033A	COST	3,647	33,546	0	296	0	450	37,939
	HRS	0	223					223
CH003E	COST	141	1,284	0	11	0	17	1,453
	HRS	0	154					154
HH003E	COST	96	887	0	8	0	12	1,003
12114F	HRS	0	22					22
QF102A	COST	13	127	0	1	0	2	143
12114F	HRS	0	8					8
TF102A	COST	6	46	0	0	0	0	52
12896F	HRS	0	150					150
VT029D	COST	96	864	0	8	0	12	980
NON-	HRS	0	5,842					5,842
MDS	COST	4,287	39,410	0	348	0	530	44,575
NON-	HRS	0	1,708					1,708
LOCAL	COST	1,048	9,842	0	87	0	133	11,110
ORG	HRS	0	29,079					29,079
TOTAL	COST	18,188	167,499	0	1,478	0	2,247	189,412

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Figure 15-7. By Indirect Non-Productive Category (Report 4).

PREPARED 75 MAY 03 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT AS OF 75 APR 30 RCS: HAF-ACF(M)7403
ORGANIZATION 0000 ADW CE BASE NAME TYNDALL AFB FLA ----------BY MATERIAL CATEGORY----------

PEC	MDS	BENCH STK (NON-MDS)	COPARS/COCESS/ OTHER (LP)	AVGAS (NON-FLY)	DIR MAT (FUNDED)	GFM (FUNDED)	TOTAL	CUM TO DATE	MATERIAL BUDGET	PCT OF BUDGET
12897F	F101B	1,629	85,639	348	10,044	0	98,160	98,160		
	F101F	373	19,626	195	1,180	0	21,374	21,374		
12114F	F106A	874	45,965	456	4,903	0	52,198	52,198		
12897F	F106B	4,011	210,895	2,090	45,784	0	262,780	262,780		
	T033A	2,835	149,070	1,477	11,092	0	164,474	164,474		
35113F	CH003E	0	0	0	2	0	2	2		
	CH003E	108	5,690	57	0	0	5,855	5,855		
	HH003E	75	3,926	39	0	0	4,042	4,042		
12114F	QF102A	11	585	6	0	0	602	602		
	TF102A	4	211	2	0	0	217	217		
12896F	VT029D	73	3,831	38	242	0	4,184	4,184		
11111F	ALC072A	0	0	0	5,804	0	5,804	5,804		
NON-MDS		3,332	175,150	1,736	25,645	0	205,863	205,353		
QUEEN-BEE		14	746	8	23,422	0	24,190	24,190		
NON-LOCAL		832	43,798	433	288	0	45,351	45,351		
ORG TOTAL		14,171	745,134	7,385	128,406	0	895,096	895,096	2,438,200	36%

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END PAGE 1 OF REPORT #5

Figure 15-8. By Material Category (Report 5).

PREPARED 75 MAY 03 ORGANIZATION 0000 ADV CE

ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT
BASE NAME TYNDALL AFB FLA

AS OF 75 APR 30
BY CUSTOMER

RCS: HAF-ACF(M)7403

		CIVILIAN LABOR	MILITARY LABOR	MATERIAL (FUNDED)	MATERIAL (UNFUNDED)	CONTRACTOR MAINT	GOVT FURN MAT	INDIRECT PRODUCTIVE	INDIRECT NON-PROD	CUM TOTAL THIS MO	FY CUM
AFCS	HRS	2	87	0	0	0	0	63	28	180	180
	COST	14	336					1,029	184	1,565	1,565
AFSC	HRS	17	10	0	0	0	0	20	9	56	56
	COST	121	39					326	59	545	545
ATC	HRS	0	7	0	0	0	0	7	2	16	16
	COST	0	27					89	13	129	129
MAC	HRS	116	1,081	0	0	3	0	869	381	2,447	2,447
	COST	826	4,194					13,973	2,485	21,482	21,482
TAC	HRS	10	3	0	0	0	0	10	4	27	27
	COST	71	12					149	23	255	255
TEC	HRS	0	22	0	0	0	0	17	7	46	46
	COST	0	85					262	47	394	394
TOTAL	HRS	145	1,210	0	0	3	0	986	431	2,772	2,772
	COST	1,032	4,693					15,828	2,812	24,370	24,370
TRANS ADC	HRS	973	2,279	288	0	7	0	2,359	1,029	6,640	6,640
	COST	6,926	8,844					37,921	6,715	60,703	60,703
TRANS ATC	HRS	412	37	0	0	1	0	323	143	915	915
	COST	2,933	144					5,225	920	9,223	9,223
TRANS MAC	HRS	20	0	0	0	0	0	13	7	40	40
	COST	143	0					226	43	412	412
TRANS SAC	HRS	28	0	0	0	0	0	22	8	58	58
	COST	199	0					333	52	584	584
TRANS TAC	HRS	87	0	0	0	0	0	51	28	176	176
	COST	620	0					1,017	191	1,828	1,828
TRANS TEC	HRS	3	0	0	0	0	0	3	1	7	7
	COST	21	0					39	6	66	66
TRANS TOTAL	HRS	1,523	2,316	288	0	8	0	2,781	1,215	7,836	7,836
	COST	10,844	8,988					44,761	7,927	72,816	72,316

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Figure 15-9. By Customer (Report 6).

PREPARED 75 MAY 03 ORGANIZATIONAL AND INTERMEDIATE MAINTENANCE COST REPORT AS OF 75 APR 30 RCS: HAF-ACF(M)7403
ORGANIZATION 0000 ADW CE BASE NAME TYNDALL AFB FLA BY CUSTOMER

		CIVILIAN LABOR	MILITARY LABOR	MATERIAL (FUNDED)	MATERIAL (UNFUNDED)	CONTRACTOR MAINT	GOVT FURN MAT	INDIRECT PRODUCTIVE	INDIRECT NON-PROD	CUM TOTAL THIS MO	FY CUM
OTHER	HRS	38	0					27	12	77	77
CEML	COST	271	0	0	0	1	0	437	77	786	786
OTHER	HRS	796	374					851	370	2,391	2,391
DOD	COST	5,668	1,451	0	0	2	0	13,656	2,395	23,173	23,173
OTHER	HRS	26	0					17	8	51	51
FORGOV	COST	185	0	0	0	0	0	294	53	532	532
OTHER	HRS	315	8					238	102	663	663
GOVT	COST	2,243	31	0	0	0	0	3,780	657	6,711	6,711
OTHER	HRS	1,175	382					1,133	492	3,132	3,132
TOTAL	COST	8,367	1,482	0	0	3	0	18,167	3,183	31,202	31,202
GRAND	HRS	2,843	3,908					4,900	2,139	13,790	13,790
TOTAL	COST	20,243	15,165	288	0	14	0	78,756	13,922	128,388	128,388

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Figure 15-9 (Cont'd)

APPENDIX 4-5C

OUTPUT PRODUCTS (GO33), AEROSPACE VEHICLE AND EQUIPMENT INVENTORY, STATUS AND UTILIZATION REPORTING SYSTEM

Reproduced in this appendix is Chapter 3 from each of the following Air Force Manuals:

Section a – AFM 65-260, Aerospace Vehicle Inventory, Status and Utilization Reporting, 1 September 1973

Section b – AFM 65-265, Communications, Electronics, and Meteorological Status Reporting, 1 September 1973

Section c – AFM 65-272, Trainer Equipment Inventory, Utilization, and Status Reporting, 1 September 1973.

The reproduced material contains complete descriptions and samples of the output reports for the respective systems.

APPENDIX 4-5C

Section a

Aerospace Vehicle Inventory, Status and Utilization Reporting System – Output Reports

Chapter 3

OUTPUT PRODUCTS

3-1. PURPOSE. This chapter provides the format, description, and use of the reports provided by the Aerospace Vehicle Inventory, Status and Utilization Reporting System. When properly used, these reports provide effective management tools for evaluating and monitoring aerospace vehicle performance.

3-2. BASE LEVEL B-3500/B-263 "AEROSPACE VEHICLE AUDIT/ERROR INVENTORY LIST," FIGURE 3-2. This report is used by both maintenance and operations in conjunction with the "Aircraft Report to AFLC and Major Command" report, and "Aerospace Vehicle Flying Report" for auditing the daily data and identifying those areas requiring correction. Explanation of error codes is provided in the subparagraphs below.

* a. Listed below are the error codes and a description of each error code which causes an inventory, status, or utilization transaction to be rejected by the base and command level B-3500 computer edit. NOTE: Computer editing of assignment codes has been temporarily discontinued, therefore, it is essential OPRs insure correct data input.

(1) ERROR CODE A- VEHICLE IS GAIN BUT IS ALREADY ON INVENTORY. This indicates that an inventory/gain transaction was submitted on a serial numbered vehicle, but the vehicle is already on the inventory in the organization, command and possession code as indicated on the transaction. A review of the audit/error inventory list will indicate this vehicle is in fact on the inventory and the transaction should not have been submitted.

(2) ERROR CODE B - CANNOT IDENTIFY TRANSACTION (I.E., INVENTORY, MAINTENANCE, OR OPERATIONS). This indicates that a transaction was submitted with a combination of inventory (gain/loss) data, condition status data and utilization data or a combination of any two of these data elements on one AF Form 359. A separate AF Form 359 card must be prepared reflecting one of the following inventory gain/loss data, condition status data, or utilization data in accordance with chapter 2, section B (Inventory Reporting), section C (Condition Status Reporting), or section D (Utilization Reporting).

(3) ERROR CODE C - TRANSACTION DOES NOT EQUAL ORGANIZATION MASTER AND IS HOME BASE. This indicates that a transaction was rejected for one or both of the following reasons:

(a) The organization number, kind and type/command codes does not match the organization number, kind and type/command code reflected on the cumm-master record on the audit/error inventory list for the vehicle being reported.

(b) An organization master card was not prepared by maintenance control or was not processed with the transactions by Data Automation. Coordinate with Data Automation to determine if the organization master card was inadvertently omitted when the transaction(s) was processed or an organization master card was not prepared by maintenance control and submitted to Data Automation in accordance with instructions outlined in section B, paragraph 2-2b, of this manual.

(4) ERROR CODE D - INVALID TRANSACTION DATE. This indicates that the date on the transaction is greater than the date the data is being processed, or the date on the transaction is not numeric, or the transaction date is less than the date the vehicle was gained to the inventory. In either case, an AF Form 359 must be prepared with the correct Julian date and in accordance with instructions outlined in sections B, C, or D, as appropriate.

* (5) ERROR CODE E - Invalid/unauthorized possession status code for the command code being reported, or condition status data cannot be reported against the possession code being reported. Maintenance control must reference AFM 300-4, volume XI, ADE AE-630, for compatibility of the possession code versus the command code being reported.

* (6) ERROR CODE F - ADD/DELETE ERROR. This indicates that a transaction was submitted with the add or delete block marked on the AF Form 359, and the Julian date on the transaction is equal to or greater than the as-of-date on the report being processed. A transaction, AF Form 359 card, with the add block marked as appropriate for data NOT PREVIOUSLY reported, or the delete block marked that was previously reported in error. Reference chapter 2, sections B, C, or D as appropriate.

(7) ERROR CODE G - NO INVENTORY RECORD FOR THIS TRANSACTION. This indicates that a gain AF Form 359 card has not been submitted for the vehicle being reported, or the prepunched AF Form 359 cards provided by Data Automation were not used for recording the data. A review of the audit/error inventory list will reveal which condition caused the error. Appropriate action must be taken to either prepare and submit an inventory (gain) AF Form 359 card (reference chapter 2, section B) and resubmit the transaction that rejected in error, or prepare a prepunched AF Form 359 card with the correct information recorded in accordance with instructions outlined in sections B, C, or D, as appropriate.

* (8) ERROR CODE H - INVENTORY RECORD FOR THIS TRANSACTION RECORD IS IN A LOSS STATUS. This indicates that an inventory (loss) AF Form 359 card was submitted on a vehicle and the date on the transaction being processed is greater than the date the vehicle was lost. A prepunched AF Form 359 card must be prepared in accordance with instructions outlined in chapter 2, sections B, C, or D, as appropriate.

* (9) ERROR CODE I - LOSS TRANSACTION AND VEHICLE IS ALREADY LOST. This indicates that an inventory (loss) AF Form 359 card has been submitted and the vehicle is already reflected on the audit/error inventory list as being in loss status. This card, or the previous loss card, should not have been submitted.

(10) ERROR CODE J (NOT USED).

* (11) ERROR CODE K - Mission symbol invalid. Reference AFM 300-4, volume XI, ADE MI-750.

* (12) ERROR CODE L - LANDINGS AND SORTIES ARE NOT NUMERIC OR IS BLANK. This indicates that the AF Form 359 to report flying hours did not reflect the number of landings/sorties or was erroneously keypunched as other than numeric. A new AF Form 359 must be prepared with the correct information in accordance with instructions outlined in section D of this manual.

* (13) ERROR CODE M - ELAPSED TIME IS NOT NUMERIC OR ELAPSED TIME IS ZERO. This error condition will occur when an AF Form 359 is submitted to report flying hours and the number of hours flown is not entered or is not keypunched as numeric. A new AF Form 359 must be prepared with the correct information in accordance with instructions outlined in section D of this manual.

(14) ERROR CODE N - INVALID GLT OR TYPE. This indicates that a gain, loss, or termination transaction was submitted and is not compatible with the command, i.e., "GA" (for AFSC only), or "GI" to correct a termination, although a termination had not been submitted. Reference Chapter 2, Section B, of this manual for correct inventory reporting procedures.

(15) ERROR CODE O - INVALID EQUIPMENT STATUS CODE (NOW REFERRED TO AS CONDITION STATUS CODE). This indicates that an erroneous condition status code was used and is other than A, B, C, M, or N, or a WUC was not used with the condition status code A, C, M, or N. A correct AF Form 359 must be prepared in accordance with instructions outlined in chapter 2, section B, of this manual.

(16) ERROR CODE P - INVALID START OR STOP TIME. This indicates the entry in the start time block is greater than the stop time or the start/stop time block is blank or not numeric. A correct AF Form 359 must be prepared in accordance with chapter 2, section B, or this manual.

(17) ERROR CODE Q - INVALID HOUR OF CHANGE. This indicates than an inventory transaction, gain, loss, or termination was submitted with the hour of change block, not numeric, or invalid for the type of gain or loss being submitted. A correct AF Form 359 must be prepared in accordance with instructions outlined in chapter 2, section B, this manual.

(18) ERROR CODE R - INVALID SERIAL NUMBER. This indicates that the serial number of the vehicle being reported is not numeric or the serial number does not contain eight digits. Refer to chapter 2, sections B, C, or D, as appropriate.

(19) ERROR CODE S - REMARKS ARE NOT COMPATIBLE WITH THIS TYPE OF GAIN, LOSS, OR TERMINATION. Refer to chapter 2, section B, for correct inventory reporting procedures.

* (20) ERROR CODE W - INVALID ASSIGNMENT/POSSESSION CODE. This indicates that an assignment/possession code other than one of those listed in AFM 300-4, Volume XI, ADE AE-630, was reported on this transaction or field was blank.

(21) ERROR CODE X - This transaction caused negative totals or exceeds 24.0 hours of "G" status plus utilization.

(22) ERROR CODE Y - ORGANIZATION INVALID. This indicates that the organ zation number reported on the transaction is blank or is not numeric. Prepare an AF Form 359 with the correct data in accordance with instructions outlined in chapter 2, section B.

(23) ERROR CODE Z - Invalid MDS or MDS not in master file.

b. Error codes which caused an inventory, status, or utilization transaction to be rejected by the B-263 computer edit are explained below.

(1) ERROR CODE A - Cumulative-to-date master must be equal to organizati squadron identifier, command code (card columns 16-31, 49) of the organization mas card.

(2) ERROR CODE B - Daily detail must be equal to serial number, mission/ design/series, organization, squadron identifier (TAC only), command code, station code, possession/status/code (card columns 1-33, 49) of the cumulative-to-date master, except if G/36 (gain) date does not agree.

(3) ERROR CODE C - Vehicle is gain but already on inventory.

(4) ERROR CODE D - Not used.

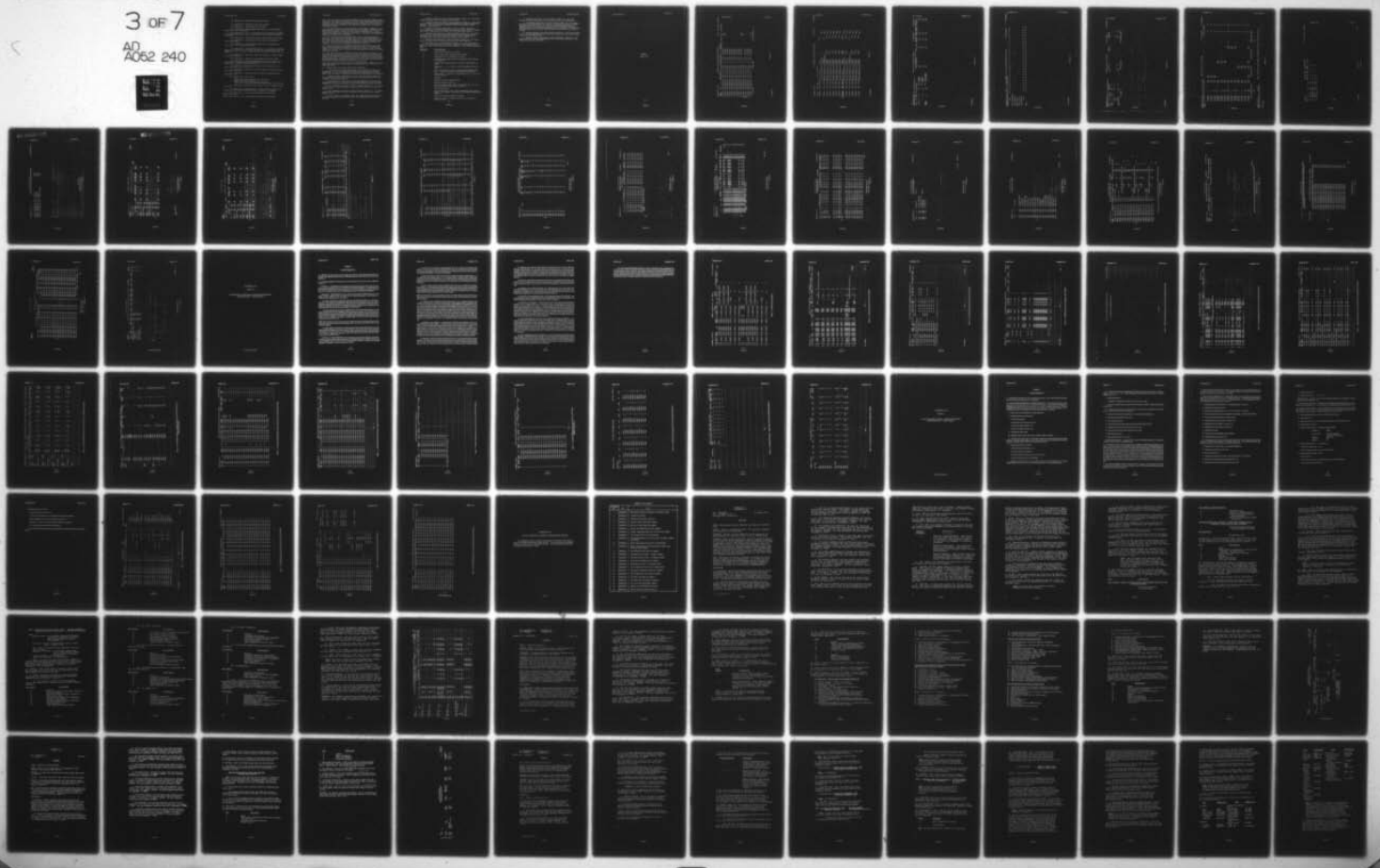
(5) ERROR CODE E - Serial number must be numeric. Serial numbers for "BLU002B" or "MB001B" are alphanumeric. Card column 1 must be numeric, card column 2 must be "K", card columns 3-4 must be numeric, card column 5 must be Z or numeric, and card columns 6-8 must be numeric.

(6) ERROR CODE F - Mission/Design/Series - Mission, card columns 9-10, must be blank or alpha, column 11 must be alpha. Design, card columns 12-14, must be numeric. Series, card column 15, must be alpha.

(7) ERROR CODE G - Organization number, must be numeric.

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(8) ERROR CODE H - Organization kind, must be alpha.

(9) ERROR CODE I - Organization type, must be alpha.

(10) ERROR CODE J - Command code, must be alpha.

(11) ERROR CODE K - CONUS/overseas code, must be "1" for continental United States, "2" for overseas.

(12) ERROR CODE L - A or D in card column 27 with transaction date equal to or greater than the as of date. Card column 27 must be blank for inventory transactions.

(13) ERROR CODE M - Installation location (station code) must be alpha.

(14) ERROR CODE N - Possessing status code invalid (ref AFM 300-4, Vol XI, ADE AE-630).

(15) ERROR CODE O - Invalid hour of change. Hour of change must be 24 if GA, GI, or any termination except TL.

(16) ERROR CODE P - Gain/Loss/Termination error. If column 36 is punched, columns 34, 35, and 37 must be punched. If column 36 is punched, "G" or "L," column 37 must be B, C, F, or I. If column 36 is "T," column 37 must be A-N, P-Z, or 1-4.

(17) ERROR CODE Q - Type action, column 37 (see above). Blank is valid if column 36 is blank.

(18) ERROR CODE R - Remarks are not compatible with G/L/T or type.

(19) ERROR CODE S - Condition status code must be A, B, C, M, N, or W card column 55. If column 36 or 78 is punched, column 55 must be blank. If column 55 is W, column 27 must contain an A or D.

(20) ERROR CODE T - Work unit code must be alpha or numeric if card column 55 contains an A, C, M, or N.

(21) ERROR CODE U - Stop/start time must be numeric and cannot be blank if column 55 is punched.

(22) ERROR CODE V - Elapsed time must be numeric and cannot be blank (operations only).

(23) ERROR CODE W - Julian date:

Columns 74-77 cannot be greater than as-of date.
Columns 74-77 must be numeric.
Column 74 must be as-of or as-of-year minus one.
If prior date (other than inventory change), column 27 must be A or D.

(24) ERROR CODE X - Consecutive day, columns 75 thru 77 cannot be greater than 336.

(25) ERROR CODE Y - Landings/Sorties - must be numeric if column 78 is punched. Must be 00 if mission symbol T5 or T6, otherwise 01 or greater.

(26) ERROR CODE Z - Invalid mission/symbol/type (ref AFM 300-4, ADE MI-750, Vol XI).

NOTE: Error codes V, Y, and Z may indicate an unidentified transaction.

3-3. BASE LEVEL B-3500/B-263 "AIRCRAFT REPORTED TO AFLC AND MAJOR COMMAND REPORT," FIGURE 3-3. This report provides a daily summary of all possessed aerospace vehicles and transactions reported the previous day. It is used by maintenance control in conjunction with the "Aerospace Vehicle Audit/Error Inventory List" to certify the data being reported. Data found in error should be corrected and resubmitted on the following workday.

3-4. BASE LEVEL B-3500/B-263 "AEROSPACE VEHICLE STATUS REPORT," FIGURE 3-4. This report provides a daily breakout, by organization, of OR, NORM, and NORS rates and hours for each possession status code within a mission/design/series. It also shows monthly cumulative-to-date data in OR, NORM, and NORS codes. This report is used by maintenance control to monitor status rates. It is also used by production analysis in evaluating unit performance.

3-5. BASE LEVEL B-3500/B-263 "AEROSPACE VEHICLE STATUS DISTRIBUTION REPORT," FIGURE 3-5. This report shows the number of aircraft by mission/design/series in a not operational ready status, or an operational ready status for each hour of the day. This report is used by production analysis for evaluating scheduling effectiveness. It is also used by maintenance schedulers to assist in workload distribution and in monitoring the maintenance scheduling envelope.

3-6. BASE LEVEL B-3500/B-263 "AEROSPACE VEHICLE WUC REPORT," FIGURE 3-6. This report shows by mission/design/series and organization the work unit codes that caused a not operational ready condition status and the number of hours reported against each work unit code. This report is used by production analysis to evaluate equipment performance.

3-7. BASE LEVEL B-3500/B-263 "AEROSPACE VEHICLE FLYING REPORT," FIGURE 3-7. The report provides daily operational data and accumulates flying hours, landings, and sorties in each reported mission symbol for each mission/design/series and organization in which aircraft are possessed and reported. This report is used by operations for monitoring, auditing, and correcting utilization data in conjunction with the "Aerospace Vehicle Audit/Error Inventory List." It is also used by production analysis in evaluating equipment performance and capabilities.

* 3-8. BASE LEVEL B-3500 "AEROSPACE VEHICLE MCS SUMMARY REPORT," FIGURE 3-7.1. This report provides the OPR with a listing of the data that was input to the Maintenance Cost System.

* 3-9. COMMAND LEVEL H-6000 OUTPUT PRODUCTS AND EXPLANATIONS:

a. 80/80 LIST OF DUPLICATE TRANSACTIONS, H-6000, PCN GGB0FOA, FIGURE 3-8. This product is on an as-required basis as inputs are received from subcommand/organization. It lists all transactions found to be duplicated for the current month. The lists are for information only and delete cards should not be submitted.

b. AEROSPACE VEHICLE STATUS REPORT BY M/D/S, H-6000 PCN GGB7FOA, FIGURE 3-9. This report provides NORS and NORM hours and rates and operational data for each assignment status code with M/D/S.

c. AEROSPACE VEHICLE STATUS REPORT BY SUBCOMMAND/NUMBERED AIR FORCE, H-6000 PCN GGB7FOB, FIGURE 3-10. This report contains NORS/NORM rates within subcommand/numbered Air Force and to-date hours for each NOR condition and operational rates.

d. TOP 10 UNSCHEDULED ITEMS NOR, H-6000 PCN GGBDFOA, FIGURE 3-11. This report contains the top 10 work unit codes within M/D/S that were NOR for the greatest amount of time.

e. TOP 25 UNSCHEDULED ITEMS NOR, H-6000 PCN GGBDFOB, FIGURE 3-12. This report provides the top 25 work unit codes within M/D/S that were NOR for the greatest amount of time.

f. MONTHLY SUMMARY OF UNSCHEDULED ITEMS, NOR, H-6000 PCN GGJ3FOA, FIGURE 3-13. This report summarizes each system work unit code, NORM/NORS hours and percent by M/D/S.

g. AEROSPACE INVENTORY BY M/D/S, H-6000 PCN GGJFOB, FIGURE 3-14. This report provides a listing of all aircraft possessed by M/D/S.

h. INVENTORY CHANGES AND ERRORS, H-6000 PCN GGX1FOA, FIGURE 3-15. This report provides a list of all inventory changes submitted and the errors detected by the computer. These errors should be returned to the base level monitor (OPR), corrected, and resubmitted.

i. INVENTORY BY ASSIGNED ORGANIZATION, H-600 PCN GGX2FOA, FIGURE 3-16. This report shows all vehicles assigned by a given unit, within the major command, and is used by the Aircraft Distribution Office for management purposes.

j. WORK UNIT CODE CHANGE LIST, H-6000 PCN GGX3FOA, FIGURE 3-17. This report provides a list of changes (additions/deletions) submitted to update the work unit code master file. Input to this file requires a date card prepared in accordance with instructions contained in chapter 4 of this manual.

k. WORK UNIT CODE MASTER LIST, H-6000 PCN GGX3FOB, FIGURE 3-18. This report provides a master list of valid work unit codes which may be reported.

l. AUDIT/ERROR LIST, H-6000 PCN GGBHFOA, FIGURE 3-19. This report provides a list of all input transactions rejected by the computer edit and displays the appropriate error code to the right of each transaction. Error codes are explained below.

ERROR CODE	ERROR CONDITION
A	M/D/S not on inventory or in table.
B	Serial number not on inventory (except gains).
C	Organization not on inventory or in table.
D	Assignment Status Code invalid or assignment status code not on inventory.
E	Invalid card cannot determine if operation, maintenance, or G/L/T.
F	Add/Delete: A, D, or blank for OPS and maintenance blank if G/L/T.
G	Date: Reporting Day or Prior - must be current month unless G/L/T. Not written on error-tape 823002FS (H-800/6000).
H	Mission Symbol: Valid only if combination of A, L, M, N, O, S, T and 1 through 9.
I	Not used.
J	Landings and sorties must be 00-99.
K	Elapsed time must be 001-240.
L	Invalid Equipment Status Code. If code equals A, C, M, or N must have work unit code, otherwise blank.
M	Invalid elapsed time.
N	Invalid Type-Action. Gain, loss or termination code. Hour of change: 24 if column 36-37 equal GA, GI or any termination code except TL.
O	Vehicle is gain but already in inventory.
P	Vehicle X is loss or terminated but not X on inventory or previously lost.

* m. INVENTORY CHANGE LIST, H-6000 PCN GGBFOB, FIGURE 3-20. This report provides a list of all inventory gains, inventory losses, and terminations.

* n. NON-PROCESSED ERROR LIST, H-6000 PCN GGBHFOC, FIGURE 3-21. This report provides a list of transactions that were not processed due to incorrect command, not properly identified with a "J" in column 80, invalid equipment status, or improper format. These transactions must be corrected an resubmitted by the functional OPR (office of primary responsibility) for processing. The transactions not processed will be punched on cards (PCN GGBHFOD, PCN 23014D) and provided to the OPR.

* o. AIRCRAFT INVENTORY, H-6000 PCN GGJ7FOA, FIGURE 3-22. This report provides a list of all aircraft possessed and giving total possessed hours and flying hours by both M/D/S and organization.

* p. AEROSPACE VEHICLE FLYING REPORT, H-6000 PCN GGJBFOA, FIGURE 3-23. This report provides a list of flying hours by mission symbol/type, possession status and M/D/S station and organization.

RESERVED

(Figure 3-1)

PREPARED 75 APR 26 AEROSPACE VEHICLE AUDIT/ERROR INVENTORY LIST AS OF 73 MAY 03 PCN W266002

SERIAL NUMBER	M-D-S	ORG	POS CMD	STA CODE	POS CD	HR CH	GLT	REMARKS	MCS IND	ASG CD	ASG CMD	A D	C S	MUC	TIME STR	TIME STP	TIME ELP	TIME LAN	TIME SRT	MS	DATE	ERROR CODES
63 008375	F005A	005ATFTMG	A1	YZJU	CA	12	LR	3122	X	CA	0A			CUM-MASTER							LOSS	
63 00A379	F005A	005ATFTMG	A1	YZJU	CA	12	LR	3122	X	CA	0A			CUM-MASTER							LOSS	
63 0083A1	F005A	005ATFTMG	A1	YZJU	CA	24	GR	3121	X	CA	0A			CUM-MASTER								
70 001389	F005A	005ATFTMG	A1	YZJU	CA	24	GR	3121	X	CA	0A			CUM-MASTER								
71 000264	F005A	005ATFTMG	A1	YZJU	CA	24	GR	3121	X	CA	0A			CUM-MASTER								
71 000265	F005A	005ATFTMG	A1	YZJU	CA	24	GR	3121	X	CA	0A			CUM-MASTER								
71 000276	F005A	005ATFTMG	A1	YZJU	CA	24	GR	3121	X	CA	0A			CUM-MASTER								
63 008375	F005A	005ATFTMG	A1	YZJU	TF	12	GF	3122	X	CA	0A			CUM-MASTER								
64 013317	F005A	005ATFTMG	A1	YZJU	TF	24	GR	3121	X	TF	0A			CUM-MASTER								
63 00A4A1	F005R	005ATFTMG	A1	YZJU	CA	12	LR	3122	X	CA	0A			CUM-MASTER							LOSS	
63 00A4A1	F005R	005ATFTMG	A1	YZJU	CA	12	GR	AABCF1	X	CA	A										3123	
66 009232	F005R	005ATFTMG	A1	YZJU	CA	24	GR	3121	X	CA	0A			CUM-MASTER								
63 00A4A3	F005R	005ATFTMG	A1	YZJU	TF	24	GR	3121	X	TF	0A			CUM-MASTER								
70 001408	F005R	005ATFTMG	A1	YZJU	TF	24	GR	3121	X	TF	0A			CUM-MASTER								
71 001033	F005R	005ATFTMG	A1	YZJU	TF	16	TL	3122	X	TF	0A			CUM-MASTER							LOSS	

TOTAL TRANS 1 TRANS ERRORS TOTAL POSS AIRCRAFT 11

3-9/11

4-5C-13

*Figure 3-2.

PREPARED 75 APR 26 ACFT REPORTED TO AFLC AND MAJOR COMMAND AS OF 73MAY02 PCN N260006

SER NO	M/D/S	ORGN	CMD	STA	POSS STAT			
63008375	F005A	00S8TFTWG	A1	Y7JU	CA	12LFTF	X	3122
		63008375	F005A0058TFTWGA1	YZJUCALFTF		12		3122J
63008379	F005A	00S8TFTWG	A1	Y7JU	CA	12LBAABCF1	X	3122
		63008379	F005A0058TFTWGA1	YZJUCALBAABCF1		12		3122J
63008381	F005A	00S8TFTWG	A1	Y7JU	CA	24GB3121	MASTER	3122
		63008381	F005A0058TFTWGA1	YZJUCA				3122J
70001389	F005A	00S8TFTWG	A1	Y7JU	CA	24GB3121	MASTER	3122
		70001389	F005A0058TFTWGA1	YZJUCA				3122J
71000284	F005A	00S8TFTWG	A1	Y7JU	CA	24GB3121	MASTER	3122
		71000284	F005A0058TFTWGA1	YZJUCA				3122J
71000265	F005A	00S8TFTWG	A1	Y7JU	CA	24GB3121	MASTER	3122
		71000265	F005A0058TFTWGA1	YZJUCA				3122J
71000276	F005A	00S8TFTWG	A1	Y7JU	CA	24GB3121	MASTER	3122
		71000276	F005A0058TFTWGA1	YZJUCA				3122J
63008375	F005A	00S8TFTWG	A1	Y7JU	TF	12GF3122	MASTER	3122
63008375	F005A	00S8TFTWG	A1	Y7JU	TF	12GFCA	X CAA	3122
		63008375	F005A0058TFTWGA1	YZJUTFGFCA		12		3122J
64013317	F005A	00S8TFTWG	A1	Y7JU	TF	24GB3121	MASTER	3122
		64013317	F005A0058TFTWGA1	YZJUTF				3122J
63008441	F005B	00S8TFTWG	A1	Y7JU	CA	12LBAABCF1	X	3122
		63008441	F005B0058TFTWGA1	YZJUCALBAABCF1		12		3122J
66009232	F005B	00S8TFTWG	A1	Y7JU	CA	24GB3121	MASTER	3122
		66009232	F005B0058TFTWGA1	YZJUCA				3122J
63008443	F005B	00S8TFTWG	A1	Y7JU	TF	24GB3121	MASTER	3122
		63008443	F005B0058TFTWGA1	YZJUTF				3122J
70001408	F005B	00S8TFTWG	A1	Y7JU	TF	24GB3121	MASTER	3122
		70001408	F005B0058TFTWGA1	YZJUTF				3122J

*Figure 3-3.

PREPARED 74 AUG 12 AEROSPACE VEHICLE STATUS REPORT AS OF 73MAY02 PCN M260007

ORGANIZATION STAT CODE K1 YZJU 3525 PTNNG

W/D/S	AS CO	NUM POSS	HRS POSS	ON PERCENT		NOT OPERATIONAL READY SUPPLY FLYABLE	GROUNDED	TOTAL NORS	NOT OPERATIONAL READY MAINTENANCE UNSCHED	SCHED	FLYABLE	TOTAL NORM
T0384	TF	41	984	99.2	PERCENT	.3		.3	.1	.4		.5
					HOURS	3.0		3.0	1.0	4.0		5.0
	**			99.2	PERCENT	.3		.3	.1	.4		.5
		41	984		HOURS	3.0		3.0	1.0	4.0		5.0
MONTH TO-DATE		41	984	99.2	TOTAL PERCENT	.3		.3	.1	.4		.5
					TOTAL HOURS	3.0		3.0	1.0	4.0		5.0

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PCN M260007

* Figure 3-4.

PREPARED 74 AUG 12 M/D/S T038A AEROSPACE VEHICLE STATUS DISTRIBUTION REPORT AS OF 73MAY02 PCN N260008
ORGANIZATION STAT CODE K1 YZJU 3525 PTNWG

HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
NORM UNSCHEDULED										1														
NORM SCHEDULED					1	1								1	1									
NORM FLYABLE																								
NORS FLYABLE							1	1	1															
NORS GROUNDING																								
TOTAL	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
READY	41	41	41	41	40	40	40	40	40	40	41	41	41	40	40	41	41	41	41	41	41	41	41	41

* Figure 3-5.

PREPARED 74 AUG 12 AEROSPACE VEHICLE MUC REPORT AS OF 73MAY02 PCN N2600009

ORGANIZATION STAT CODE K1 YZJU 3525 PTNNG

M-D-S	MUC	AVG-MEP	TOT-NORM HRS	%	NORS-F HRS	%	NORS-G HRS	%	TOT-NORS HRS	%
T038A	**	41.0	4.0	.4						
	23022		1.0	.1						
	45113				3.0	.3			3.0	.3
WEAPON TOTALS			5.0	.5	3.0	.3			3.0	.3

NOR RATE .8 % MUC-NOR RATE .4 % NON-MUC-NOR RATE .8 %

*Figure 3-6.

PREPARED 74 AUG 12 AEROSPACE VEHICLE FLYING REPORT AS OF 73MAY02 PCN M260010

ORGANIZATION STAT CODE K1 YZJU 3520 PTNNG

M/D/S SER NUMBER	AS CD	MISS	HOURS	1	2	3	4	5	6	7	8	9	LANDING	SORTIES
T0378														
67014761	TF	A	3.5	3.5									1	1
TO DATE			3.5	3.5									1	1
DAY 3122	*		3.5	3.5									1	1
TO DATE	*		3.5	3.5									1	1
DAY 3122	**		3.5	3.5									1	1
TO DATE	**		3.5	3.5									1	1
68008032	TF	D	4.0				4.0						1	1
TO DATE			4.0				4.0						1	1
DAY 3122	*		4.0				4.0						1	1
TO DATE	*		4.0				4.0						1	1
DAY 3122	**		4.0				4.0						1	1
TO DATE	**		4.0				4.0						1	1
68008032	TF	S	1.0							1.0			1	1
TO DATE			1.0							1.0			1	1
DAY 3122	*		1.0							1.0			1	1
TO DATE	*		1.0							1.0			1	1
DAY 3122	**		1.0							1.0			1	1
TO DATE	**		1.0							1.0			1	1
67014761	TF	T	2.5			2.5							1	1
TO DATE			2.5			2.5							1	1
DAY 3122	*		2.5			2.5							1	1
TO DATE	*		2.5			2.5							1	1
DAY 3122	**		2.5			2.5							1	1
TO DATE	**		2.5			2.5							1	1
DAY 3122	***		11.0	3.5		2.5	4.0			1.0			4	4
TO DATE	***		11.0	3.5		2.5	4.0			1.0			4	4

HOURS REPORTED TODAY	ADDITION HOURS	DELETION HOURS	HOURS FLOWN TODAY
11.0			11.0

REPORT REVIEWED AT HOURS, DATE, AND ALL DATA ARE ACCURATE OR ERRORS ARE ANNOTATED IN RED AND WILL BE CORRECTED IN THE NEXT DAILY REPORT.

PCN M240010

* Figure 3-7.

AS OF 74 DEC 31 PCN N260011

AEROSPACE VEHICLE MCS SUMMARY REPORT

PREPARED

POS CMD	ORG	PEC	M-D-S	ASG CD	ASG CMD	AVG POSS	FLYING HOURS	SORTIES
OJ	3510FTAWG	000000	T037A	TF	OJ	.6	.0	
OJ	3510FTAWG	000000	T038A	TF	OJ	.6	.0	
OJ	3510FTAWG	000000	T039A	SA	OJ	.3	.0	
OJ	3510FTAWG	000000	V0118A	SI	OJ	.3	.0	

PCN N260011

END PAGE 1

PAGE

*Figure 3.7-1

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PREPARED 06 MAY 73 — SC/SO LIST OF DUPLICATE TRANSACTIONS PCN 660F0A — AS OF DATE 05 MAY 73

01000898	T038A3525P7NWGKJ	YZJJTF	C 23914000		3124J
01000898	T038A3525P7NWGKJ	YZJUTF	C 239430000		3124J
0100098	T038A3525PTNWGKJ	YZJUTF	C 03514000		3124J
01000925	T038A3525PTNWGKJ	YZJUTF	T112508 02A 01011000		3124J

END PAGE 1

AFDSDC GUNTER AFB ALINCO

UNCLASSIFIED

Figure 3-8

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PREPARED 06 MAY 73 — AEROSPACE VEHICLE STATUS — AS OF 05 MAY 73

M-D-S S-CMD/WAP T038 — PCN 66BTPOA

	AS CD	AVG-VP PSB-HR	O R	TOTAL NORS	NORS GRND	NORS FLYABLE	NORS L/D	TOTAL NORM	NORM UNSCH	NORM SCHED	NORM FLYABLE
DAILY	TF	41.0 984	100.0 984								
MONTH TO-DATE	TF	41.0 4920	85.3 4196	5.3 260	3.7 183	1.6 76		9.0 443	2.8 134	1.1 52	5.8 286
* M-D-S TOTALS *											
DAILY		41.0 984	100.0 984								
MONTH TO-DATE		41.0 4920	85.3 4196	5.3 260	3.7 183	1.6 76		9.0 443	2.8 134	1.1 52	5.8 286
** SUB-CMD OR WAP TOTALS **											
DAILY	C	1.0 24	100.0 24								
MONTH TO-DATE	C	1.0 120	100.0 120								
DAILY		45.0 1080	100.0 1080								
MONTH TO-DATE		45.0 5460	86.6 4676	4.8 260	3.4 183	1.4 76		8.8 463	2.3 134	1.0 52	5.3 286

M-D-S S-CMD/WAP T038 — LAST PAGE 2

AFDSDC GUNTER AFB ALMCO

UNCLASSIFIED

Figure 3-9

3-18

UNCLASSIFIED

PREPARED
06 MAY 73

AS OF
06 MAY 73

AEROSPACE VEHICLE STATUS

PCN
6607F06

M-D-S STA-CD ORGAN S-CND/NAP
T038 YZJU 3525 PTNVG

	AS CD	AVG-HR PSS-NR	O R	TOTAL HORS	HORS GRND	HORS FLYABLE	HORS L/D	TOTAL NORM	NORM UNSCH	NORM SCHED	NORM FLYABLE
DAILY	TP	41.0	100.0								
		984	984								
MONTH	TP	41.0	95.3	5.3	3.7	1.6		9.4	2.5	1.1	5.8
TO-DATE		4920	4196	280	193	76		483	124	52	286
@ M-D-S TOTALS @											
DAILY		41.0	100.0								
		984	984								
MONTH		41.0	95.3	5.3	3.7	1.6		9.4	2.5	1.1	5.8
TO-DATE		4920	4196	280	193	76		483	124	52	286
@@ STATION-TOTALS @@											
DAILY		41.0	100.0								
		984	984								
MONTH		41.0	95.3	5.3	3.7	1.6		9.4	2.5	1.1	5.8
TO-DATE		4920	4196	280	193	76		483	124	52	286
@@@ ORGANIZATION TOTALS @@@											
DAILY		41.0	100.0								
		984	984								
MONTH		41.0	95.3	5.3	3.7	1.6		9.4	2.5	1.1	5.8
TO-DATE		4920	4196	280	193	76		483	124	52	286

M-D-S STA-CD ORGAN S-CND/NAP
T038 YZJU 3525 PTNVG

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AFDSDC SUNYEN AFB GUECO

UNCLASSIFIED

Figure 3-10

PREPARED 06 MAY 73 TOP 10 UNSCHEDULED ITEM HOURS/M PCN 6GBDFDA AS OF 05 MAY 73

M/D/S	WUC	NOMENCLATURE	NORM HRS	NORM %	NORS=6	NORS FLYABLE	NORS L/D	NORS HOURS	NORS %
T038	11000		16.0	1.6	0.0	0.0	.0	16.0	1.6
T038	12000		16.0	1.6	0.0	0.0	.0	16.0	1.6
T038	13000		16.0	1.6	0.0	0.0	.0	16.0	1.6
T038	14000		16.0	1.6	0.0	0.0	.0	16.0	1.6
T038	15000		16.0	1.6	0.0	0.0	.0	16.0	1.6
T038	16000		16.0	1.6	0.0	0.0	.0	16.0	1.6
T038	17000		16.0	1.6	0.0	0.0	.0	16.0	1.6
T038	18000		16.0	1.6	0.0	0.0	.0	16.0	1.6
T038	19000		16.0	1.6	0.0	0.0	.0	16.0	1.6
T038	20000		16.0	1.6	0.0	0.0	.0	16.0	1.6

TOTAL NORM HOURS 160.0 NORM % 16.6 TOTAL NORS HOURS 192.0 NORS % 19.5 TOP 10 HOURS 160.0 TOP 10 NOR % 16.2

LAST PAGE 1

Figure 3-11

1 December 1973

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PREPARED ON MAY 73 TOP 25 UNSCHEDULED ITEM HOURS/M PCN 66DDFDB / AS OF 05 MAY 73

W/U/S	WUC	NOMENCLATURE	NORM HRS	NORM %	NORS-6	NORS FLYABLE	NORS L/D	NORS HOURS	NORS %
T038A	14000		79.9	1.7	8.0	10.0	.0	18.0	.4
T038A	11000		77.9	1.6	11.5	33.9	.0	45.4	.9
T038A	12000		76.9	1.6	11.5	10.0	.0	21.5	.4
T038A	15000		76.9	1.6	8.0	13.5	.0	21.5	.4
T038A	13000		72.9	1.5	8.0	10.0	.0	18.0	.4
T038A	17000		49.9	1.0	8.0	8.0	.0	15.0	.3
T038A	16000		47.9	1.0	8.0	10.0	.0	18.0	.4
T038A	21000		25.9	.5	8.0	31.9	.0	39.9	.8
T038A	99999		27.9	.6	.0	.0	.0	.0	.0
T038A	18000		26.0	.5	8.0	8.0	.0	16.0	.3
T038A	19000		26.0	.5	8.0	8.0	.0	16.0	.3
T038A	20000		26.0	.5	8.0	8.0	.0	16.0	.3
T038A	22000		26.0	.5	8.0	8.0	.0	16.0	.3
T038A	13112		.0	.0	24.0	3.5	.0	27.5	.6
T038A	43000		.0	.0	23.9	.0	.0	23.9	.5
T038A	51000		.0	.0	23.9	.0	.0	23.9	.5
T038A	52000		.0	.0	23.9	.0	.0	23.9	.5
T038A	53000		.0	.0	23.9	.0	.0	23.9	.5
T038A	54000		.0	.0	23.9	.0	.0	23.9	.5
T038A	55000		.0	.0	23.9	.0	.0	23.9	.5
T038A	13111		24.9	.5	8.0	.0	.0	8.0	.1
T038A	81143		.0	.0	.0	8.0	.0	8.0	.2
T038A	21112		6.0	.1	.0	.0	.0	.0	.0
T038A	13113		.0	.0	3.0	.0	.0	3.0	.1
T038A	23000		2.0	.0	.0	.0	.0	.0	.0

TOTAL NORM HOURS 690.6 NORM % 14.3 TOTAL NORS HOURS 682.2 NORS % 9.6 TOP 25 HOURS 668.6 TOP 25 NOR % 13.9

Figure 3-12

U N C L A S S I F I E D

PREPARED 06 MAY 73 — SUMMARY OF UNSCHEDULED ITEMS HORS PCN 66J3P06 — AS OF 05 MAY 73

M/D/S	WUC	NOUN	NORM HRS	NORM %	NORS-6 UNSCH	NORS FLYABLE	NORS L/D	NORS URS	%
T038A	11		12.8	.3	3.8	28.9	.0	3.8	.1
T038A	12		11.8	.2	3.8	2.0	.0	3.8	.1
T038A	13		34.4	.7	33.0	2.8	.0	33.0	.7
T038A	14		11.0	.2	.0	2.0	.0	.0	.0
T038A	15		11.8	.2	.0	2.8	.0	.0	.0
T038A	16		.0	.0	.0	2.0	.0	.0	.0
T038A	17		2.0	.0	.0	.0	.0	.0	.0
T038A	18		2.0	.0	.0	.0	.0	.0	.0
T038A	19		2.0	.0	.0	.0	.0	.0	.0
T038A	20		2.0	.0	.0	.0	.0	.0	.0
T038A	21		9.8	.2	.0	31.9	.0	.0	.0
T038A	22		2.0	.0	.0	.0	.0	.0	.0
T038A	23		2.0	.0	.0	.0	.0	.0	.0
T038A	24		2.0	.0	.0	.0	.0	.0	.0
T038A	25		2.0	.0	.0	.0	.0	.0	.0
T038A	26		2.0	.0	.0	.0	.0	.0	.0
T038A	27		2.0	.0	.0	.0	.0	.0	.0
T038A	28		2.0	.0	.0	.0	.0	.0	.0
T038A	29		2.0	.0	.0	.0	.0	.0	.0
T038A	31		2.0	.0	.0	.0	.0	.0	.0
T038A	32		2.0	.0	.0	.0	.0	.0	.0
T038A	33		2.0	.0	.0	.0	.0	.0	.0
T038A	34		2.0	.0	.0	.0	.0	.0	.0

PAGE 1

AFDSDC GUNTER AFB ALMCO

U N C L A S S I F I E D

Figure 3-13

U N C L A S S I F I E D

PREPARED 06 MAY 73 AEROSPACE VEHICLE INVENTORY PCN 66K1F00 AS OF 05 MAY 73

BY MDS AND SERIAL NO

M/D/S	SERIAL-NO	POSSESSED BY ORGANIZATION				LOC	ASSIGNED TO ORGANIZATION				DIRECTIVE NUMBER	DIRECTIVE DATE	IRAN LAST	IRAN NEXT
		AC	MAF	CMD				CMD	MAF	AC				
T0378	59000242	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T0378	60000C72	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T0378	60000C7F	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T0378	60000C79	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T0378	68000031	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T0378	68000039	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T0378	68000041	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 82	12 72
T0378	68000042	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T0378	68000044	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72

AIRCRAFT COUNT ASSG-POSS ASSG-ONLY POSS-ONLY

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APOSOC BUNYER AFB GUAM

U N C L A S S I F I E D

Figure 3-14

UNCLASSIFIED

PREPARED 06 MAY 73 AEROSPACE VEHICLE INVENTORY PCN 68X1PBA AS OF 08 MAY 73

CHANGES AND ERROR LIST

S/N	M/D/S	POSSESSED ORGN	POSSESSED CMD	POSSESSED LOC	POSSESSED AC	POSSESSED MAP	ASSIGNED ORGN	ASSIGNED CMD	ASSIGNED AC	ASSIGNED MAP	DIR NR	DIR DATE	LAST IRAN	NEXT IRAN	TRAN DATE	I D	ERROR CODES
63008375	F005A	0058TPTVG	TAC	YZJU	TF	18	3525PTNVG	TAC	TF	18	65260	1272	1272	1272	3122	L	
63008379	F005A	0058TPTVG	TAC	YZJU	TF	18	3525PTNVG	TAC	TF	18	65260	3122	3122	3122	3122	C	JKL
63008333	F005B	0058TPTVG	MAC	YZJU	TF										3123	P	
63008777	F005B	0058TPTVG	MAC	YZJU	TF										8009	P	
71001036	F005B	0058TPTVG	MAC	YZJU	TF										3123	P	
56003838	TC37B	3525PTNVG	TAC	YZJU	TF	18	3525PTNVG	TAC	TF	18	65260	1272	1272	1272	3122	G	A
56003542	TC37B	3525PTNVG	TAC	YZJU	TF	18	3525PTNVG	TAC	TF	18	65260	1272	1272	3272	3122	C	L
56003548	TC37B	3525PTNVG	TAC	YZJU	TF	18	3525PTNVG	TAC	TF	18	65260	1272	1272	1272	3122	L	
57002231	TC37B	3525PTNVG	TAC	YZJU	TF	18	3525PTNVG	TAC	TF	18	65260	1272	1272	1272	3122	G	A
61000803	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	
61000804	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	
61000918	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	
61000926	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	
61000938	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	
61000936	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	
58003619	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	
63008184	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	
65010325	TC38A	3525PTNVG	TAC	YZJU	TF	18	3525PTNVG	TAC	TF	18	65260	1272	1272	1272	3122	L	
65010328	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	
65010343	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	
67014937	TC38A	3525PTNVG	TAC	YZJU	TF	18	3525PTNVG	TAC	TF	18	65260	1272	1272	1272	3122	C	
67014937	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	
68008159	TC38A	3525PTNVG	TAC	YZJU	TF	18	3525PTNVG	TAC	TF	18	65260	1272	1272	1272	3122	L	
68008159	TC38A	3525PTNVG	MAC	YZJU	TF										3121	P	

TRANSACTION COUNT POSS-CHG 18 ASSG-CHG 3 ASSG-GAIN 2 ASSG-LOSS 4

END PAGE 1

APOSDC GUNTER AFB ALMCO

UNCLASSIFIED

Figure 3-15

UNCLASSIFIED

PREPARED 26 MAY 73 — AEROSPACE VEHICLE INVENTORY ORGANIZATION LIST — PCN 66X2FBA — AS OF 05 MAY 73

W/D/S	SERIAL NR	POSSESSED BY ASCD	POSSESSED BY NAF	POSSESSED BY CMD	POSSESSED BY ORGANIZATION	POSSESSED BY LOC	ASSIGNED TO ORGANIZATION	ASSIGNED TO CMD	ASSIGNED TO NAF	ASSIGNED TO ASCD	DIRECTIVE NUMBER	DIRECTIVE DATE	IRAN LAST	IRAN NEXT
F005A	64C13317	TF	15	TAC	0058 TPT WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
F005A	71000264	CA		MAC	0058 TPT WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
F005A	71000265	TF	15	TAC	0058 TPT WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
F005A	71000276	TF	15	TAC	0058 TPT WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
F005A														
F005B	63008441	TF	15	TAC	0058 TPT WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
F005B	63008443	TF	15	TAC	0058 TPT WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
F005B	64C09232	TF	15	TAC	0058 TPT WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
F005B	70001408	TF	15	TAC	0058 TPT WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
F005B	71001033	TF	15	TAC	0058 TPT WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
F005B														
T037B	66003519	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T037B	66003535	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T037B	67002231	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T037B	67002237	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T037B	67002238	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T037B	67002250	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T037B	67002258	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T037B	67002259	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T037B	67002261	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72
T037B	67002266	TF	15	TAC	3525 PTN WG	YZJU	3525 PTN WG	TAC	15	TF	65260	12 72	12 72	12 72

AFDSDC GUNTER AFB ALINC

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Figure 3-16

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WUC CHANGE LIST PCN 66X3P0A

AS OF 03 MAY 73

PREPARED 03 MAY 73

M/D/S	W U C	NOMENCLATURE	ACTION
F005A	14668	COPILOTS INSTRUMENTLP	
F005A	22314	AIR CONDITIONING CONT	
F005A	45600	HYD POWER PACK	DELETED
F005A	45600	HYD POWER PACK	
F005C	32416	ECM SYSTEM POD	

WUC CHANGE END PAGE 1

AFDSDC GUNTER AFB MUNC

UNCLASSIFIED

Figure 3-17

U • C L A S S I F I E D

PREPARED 03 MAY 73 — WUC MASTER LIST PCN 66X3F08 — AS OF 03 MAY 73

M/D/S	W U C	NOMENCLATURE
P005A	23214	COMPRESSOR PNEUDRAULI
P005A	45600	HYD POWER PACK
T037B	13214	RT AILERON TRIM
P005B	33241	BOMB RELEASE SYSTEM
T038A	1680A	PILOTS PELIFF TUBE
T038A	14A8C	ROTATING BEACON
T038A	13618	ELEVATOR LH HAND
T038A	14216	MAIN LDG LIGHT
T038A	13214	ELEVATOR RT HAND
T037B	12142	RT MAIN LDG STRUT
T037B	13618	LT FLAP ACTUATOR
T037B	2110A	LT ENGINE INLET
T037B	11215	RT INBD FLAP
P005A	14412	LAMP EMERGENCY
P005A	12129	NOT OTHER WISE CODED
P005A	22314	AIR CONDITION CONTROL
P005A	24112	GAS TURBINE ENGINE
T038A	14126	ELECTRICAL STARTER EN
T038A	64000	HYDRAULIC SYSTEM
P005A	36218	ROCKET POD PYLON
P005B	36218	ROCKET POD PYLON

WUC MASTER PAGE 1

AFDSDC GUNTER AFB GUNC•

U N C L A S S I F I E D

Figure 3-18

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PREPARED 06 MAY 73 AEROSPACE VEHICLE AUDIT/ERROR LIST PCN 666MP0A AS OF 08 MAY 73

SERIAL NUMBER	M/D/S	ORGANIZATION HR	KND	TP	C	A D	ST/ CCDE	AS CD	MR CM	GLT	T A	REMARKS	E S	WUC	TIME ELP	LND	SORT	DATE	MISS	ERROR CODES		
63008222	F005A	0058	TFT	VG	K1		YZJU	TP	12	L	B	AJXFS1						3121		B		P
63008378	F005A	0058	TFT	VG	K1		YZJU	TP					A	2111A	018			3124		B		
63008379	F005A	0058	TFT	VG	K1		YZJU	TP	13	L	P	PL						3122		B		P
63008379	F005A	0058	TFT	VG	K1		YZJU	TP					B		013			3124		B		
71000264	F005A	0058	TFT	VG	K1		YZJU	CA				NOT REPORTED THESE DATES			3121	3122	3123	3124	3125			
71000264	F005A	0058	TFT	VG	K1		YZJU	TP					A	13111	018			2809		A	G	
71000266	F005A	0058	TFT	VG	K1		YZJU	TP							118			2809	21	A	M	
71000269	F005A	0058	TFT	VG	K1		YZJU	TP					B		040			2809		A	G	
71000276	F005A	0058	TFT	VG	K1		YZJU	TP					C	21111	040			2809		A	G	
71000276	F005A	0058	TFT	VG	K1		YZJU	TP					D		240			3124		A		
63008333	F005B	0058	TFT	VG	K1		YZJU	TP	24	G	B	AJXFP1						2809				D
63008333	F005B	0058	TFT	VG	K1		YZJU	TP				NOT REPORTED THESE DATES			3121	3122	3123	3124	3125			
63008441	F005B	0058	TFT	VG	K1		YZJU	TP					A	13111	119			2809		B	G	
63008441	F005B	0058	TFT	VG	K1		YZJU	TP	09	L	B	AJXFS1						3124		B		P
63008441	F005B	0058	TFT	VG	K1		YZJU	TP					M	11128	140			3124		B		
63008441	F005B	0058	TFT	VG	K1		YZJU	TP					M	1142C	080			3124		B		
63008443	F005B	0058	TFT	VG	K1		YZJU	TP					B		060			2809		B	G	
63008443	F005B	0058	TFT	VG	K1		YZJU	TP	14	L	B	AJXFS1						3123		B		P
63008777	F005B	0058	TFT	VG	K1		YZJU	TP	20	G	B	AJXFP1						2809				D
63008777	F005B	0058	TFT	VG	K1		YZJU	TP				NOT REPORTED THESE DATES			3121	3122	3123	3124	3125			
66009232	F005B	0058	TFT	VG	K1		YZJU	TP					A	13111	060			2809		B	G	
66009232	F005B	0058	TFT	VG	K1		YZJU	TP					P		140			3124		B		

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UNCLASSIFIED WHEN INDICATED ORGANIZATION/STATION-CODE IS DETACHED FROM COMMAND REPORT

APOSDC GUNTER AFB OUNCO

UNCLASSIFIED

Figure 3-19

U N C L A S S I F I E D

PREPARED 08 MAY 73 AEROSPACE VEHICLE INVENTORY CHANGE LIST PCN 668MF08 AS OF 05 MAY 73

SERIAL NUMBER S/D/S FR ORGANIZATION TP C A ST/ AS HR T D CCDE CD CM GLT A REMARKS E S WUC TIME ELP LND SORT DATE MISS ERROR CODES

PREV INV 0045 NEW INV 0045 ERR TRANS 00049 WUC TRANS 00084 NEW WUC TRANS 00084 TRANS 00190

END PAGE 1

UNCLASSIFIED WHEN INDICATED ORGANIZATION/STATION CODE IS DETACHED FROM COMMAND REPORT

APOSDC GUNTER AFB ALMC

U N C L A S S I F I E D

Figure 3-20

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THE TRANSACTION RECORDS LISTED IN PCN G88HP8C WERE NOT PROCESSED DUE TO INCORRECT CMD-CODE, NOT PROPERLY IDENTIFIED AS STATUS RECORDS (J COL=80) OR IMPROPER FORMAT (INVALID EQUIP-STATUS).

PREPARED 06 MAY 73 NON-PROCESSED ERRORS FROM INPUT TRANSACTIONS PCN G88HP8C AS OF 05 MAY 73

```
         1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
61000898 T038A3525PTNWGK1 YZJUTP  C $30170000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30180000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30190000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30200000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30220000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30230000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30240000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30250000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30260000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30270000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30280000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30290000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30300000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30310000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30320000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30330000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30340000                              3124J
61000898 T038A3525PTNWGK1 YZJUTP  C $30350000                              3124J
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AFDSDC GUNTER AFB ALA

UNCLASSIFIED

Figure 3-21

PREPARED
06 MAY 73

AS OF
05 MAY 73

AIRCRAFT INVENTORY

PCN 66J7F0A

M-D-S	SERIAL NO	ORGN	CMD	STA CODE	ASSG STAT	POSS HRS	FLYING HRS	GLT DATE
T038A	61000880	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000882	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000883	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000886	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000887	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000888	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000889	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000891	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000892	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000893	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000894	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000895	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000896	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000898	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000899	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000902	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000903	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000908	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000908	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000915	3525 PTN VG	K1	YZJU	TF	120	.0	3121
T038A	61000924	3525 PTN VG	K1	YZJU	TF	120	.0	3121

** BY ORGN STATION MDS AND SERIAL NO **

ORGN	STA CODE	M-D-S	SERIAL NO	CMD	ASSG STAT	GLT DATE
3525 PTN VG	YZJU	T038A	61000925	K1	TF	3121
3525 PTN VG	YZJU	T038A	61000926	K1	TF	3121
3525 PTN VG	YZJU	T038A	61000930	K1	TF	3121
3525 PTN VG	YZJU	T038A	61000931	K1	TF	3121
3525 PTN VG	YZJU	T038A	61000935	K1	TF	3121
3525 PTN VG	YZJU	T038A	61000936	K1	TF	3121
3525 PTN VG	YZJU	T038A	62003615	K1	TF	3121
3525 PTN VG	YZJU	T038A	62003618	K1	TF	3121
3525 PTN VG	YZJU	T038A	62003619	K1	TF	3121
3525 PTN VG	YZJU	T038A	62003620	K1	TF	3121
3525 PTN VG	YZJU	T038A	62003621	K1	TF	3121
3525 PTN VG	YZJU	T038A	63008184	K1	TF	3121
3525 PTN VG	YZJU	T038A	64013204	K1	TF	3121
3525 PTN VG	YZJU	T038A	64013231	K1	TF	3121
3525 PTN VG	YZJU	T038A	64013301	K1	TF	3121
3525 PTN VG	YZJU	T038A	65010325	K1	TF	3121
3525 PTN VG	YZJU	T038A	65010343	K1	TF	3121
3525 PTN VG	YZJU	T038A	67014937	K1	TF	3121
3525 PTN VG	YZJU	T038A	68008149	K1	TF	3121
3525 PTN VG	YZJU	T038A	68008189	K1	TF	3121

TOT 41 PASS-HRS 4920 FLYING-HRS 69.6

PAGE 3

APOSOC GUNTER AFB AUNC

UNCLASSIFIED

Figure 3-22

1 December 1973

AFM 65-260(C1)

UNCLASSIFIED

PREPARED 08 MAY 73 — AEROSPACE VEHICLE FLYING REPORT — PCN GGJBFDA — AS OF 08 MAY 73

ORGAN	STAT CODE	MOD-S	AS CO	MIS SYM	TOTAL HOURS	MISSION TYPE-1	TYPE-2	TYPE-3	TYPE-4	TYPE-5	TYPE-6	TYPE-7	TYPE-8	TYPE-9	LAND	SRTE
SS2 PTHUB	V2JW	T038A	TF	T	49.6	49.6									11	11
* AFS STAT *					49.6	49.6									11	11
** W/D/S **					49.6	49.6									11	11
*** STATION ***					49.6	49.6									11	11
**** ORGANIZATION ****					49.6	49.6									11	11

END PAGE 1

AFSOC GUNTER AFB ALA

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Figure 3-32

AFM 65-260(C1) 1 December 1973

APPENDIX 4-5C

Section b

Communication, Electronics, and Meteorological Status Reporting System – Output Reports

Chapter 3

OUTPUT PRODUCTS

3–1. PURPOSE. This chapter provides standard sample report formats on CEM status reporting at all levels of command. These standard products will not be altered unless approval has been obtained in accordance with AFR 300–2.

3–2. STANDARD PRODUCTS. The following sections list the standard Air Force products with an explanation of their use:

a. SECTION I – B263 PRODUCT. The functional users of this computer system receive only one output product when reporting CEM status. It is the CEM Edit List, PCN 22014A (see figure 3–1). The listing prints all the transactions submitted. Any transaction processed in error will be indicated by an asterisk (*) above the field in error. The listing provides a means of editing daily input data prior to transmission to MAJCOM.

b. SECTION II – B3500 PRODUCTS. There are three products available for B3500 base level users. The product received is dependent upon the request from the submitting organization. The following is an explanation of the listings and how they are produced:

(1) DAILY CEM DETAIL CARD EDIT LIST, PCN N265002 (SEE FIGURE 3–2). This listing is produced for each organization processing CEM status information. The maintenance activity will receive a listing when transactions are processed either on a daily basis or on an as-required basis. It provides a means of editing and auditing the input data prior to transmission to the Major Command. It is the responsibility of the maintenance activity to insure the accuracy and validity of all data processed.

(2) DAILY DETAIL STATUS (OPEN INCIDENTS ONLY), PCN N265007 (SEE FIGURE 3–3). This listing is produced only when the maintenance activity requests that run number one (1) be processed. This listing will reflect the open incidents on each TMS. Any delays opened will appear on the same line entry as the open basic. The data appearing on this listing is only updated when the maintenance activity requests that run number two (2) be processed. As the system is updated during the month, the duration field will reflect accumulative hours for current month.

NOTE. When reviewing this list and a blank start time is reflected for the basic incident indicating it has been closed with a start time in the delay column indicating a delay is still opened, action should be taken to close the delay immediately.

(3) CEM MASTER INVENTORY BY ORGANIZATION, PCN N265008 (SEE FIGURE 3–4). This listing provides each organization a complete base level inventory. Sub-totals are reflected for each TMS and a total number at the end of the report. It is a monthly (optional) report and will be run accordingly depending on the number of changes. The maintenance activity will notify Data Automation when they have a requirement for an updated inventory.

c. SECTION III – H800/200 PRODUCTS. The functional users of this computer system may receive daily, monthly, and optional output products depending on each MAJCOM's requirement. H6000 products are the same as H800/200 except for PCN numbers. The appropriate PCN numbers are contained in the following paragraphs. A description of the products available are as follows:

(1) 80/80 LIST OF DUPLICATE TRANSACTIONS, PCN 23101A, H6000 PCN GGA2F0DA (SEE FIGURE 3–5). This product is produced at command level on a daily or as-required basis as inputs are received from subcommand/organization. It lists all transactions found to be duplicated for the current month. The list is for information only and delete cards should not be submitted.

(2) DAILY CEM DETAIL CARD EDIT, PCN 23105A, H6000 PCN GGA4F0FA (SEE FIGURE 3–6). A command level report produced daily or on an as-required basis. It provides a means of editing input transactions from subcommand/organization. Any error codes reflected on this listing should be referred to the initiating organization for correction. The listing is sorted by organization, as it may be separated for feedback information.

(3) DAILY DETAIL STATUS (OPEN INCIDENTS ONLY), PCN 23110A, H6000 PCN GGA6F0DA (SEE FIGURE 3–7). This listing reflects incidents that are opened on each TMS. It is produced along with PCN 23105A providing there are only incidents against a TMS. All organizations reporting within the command are listed sequentially by subcommand, organization, and TMS. The listing is updated each time it is produced. Duration field will reflect accumulative hours for the current month.

NOTE. The first incident on this example reflects a blank start time which indicates the basic incident has been closed with a start time in the delay column showing a delay is still open. Action should be taken to close the delay immediately.

(4) COMMAND CEM EQUIPMENT STATUS REPORT, PCN 23115A, H6000 PCN GGI1F0DA (SEE FIGURE 3–8). This product is a mandatory monthly report. The RCS designation is HAF–LGY(M)7152. One copy of this report will be forwarded to each of the following: HQ USAF/LGYK, AFLC/MMWE, and the AMA which has the equipment management responsibility, ATTN: MMPM. The reports are due not later than the 15th workday following the end-of-month. The report is sorted by like function and gives a breakdown on each TMS of the maintenance downtime, other downtime, and supply delay time by category. The times shown are rounded to the nearest hour. The percentages are shown below the hours and are rounded to the nearest tenth. The number of actions is based on the incident count when the equipment status report (ESR) changes. The uptime (operational ready) is based on the total maintenance downtime, other downtime, and supply delay time subtracted from the total possessed hours for current month. Major totals are shown at the end of each like function for total equipment, total actions, total maintenance downtime, other downtime, and supply delay time.

(5) MONTHLY WUC SUMMARY – UNSCHEDULED MAINTENANCE DOWNTIME, PCN 23125A, H6000 PCN GGI5F0CA (SEE FIGURE 3–9). This listing is an optional command level report. To produce this report, punched cards (ADP General Purpose Cards) are required. Format of these cards is to punch a "1" in card column one (1) and the TMS to be selected in card columns three (3) through ten (10). A maximum of 25 different TMSs can be selected when producing this report. Once a TMS has been selected for report preparation, only the ten high work unit code items will be selected and printed. Selection of the ten high WUC items will be based on total unscheduled maintenance downtime hours without regard to inventory or percentage. For each WUC selected, the five organizations with the highest percentage of maintenance downtime will be listed. All other organizations will be consolidated to indicate the total downtime by WUC.

(6) MONTHLY CEM DETAILED ESR LISTING BY TMS, PCN 23130A, H6000 PCN GGI7F0EA (SEE FIGURE 3–10). This is an optional monthly command level report. All transactions for the month are listed. They are sorted by TMS, subcommand, organization, serial number, downtime code, ESR number, and multiple delay code. The type transaction is listed as a quick-reference to insure all the transactions are being processed.

(7) MONTHLY CEM DETAILED ESR LISTING BY ORGANIZATION, PCN 23135A, H6000 PCN GGI9F0EA (SEE FIGURE 3–11). An optional monthly command level report. It produces the same information as PCN 23130A. The difference is the sort sequence. Transactions are sorted by subcommand, organization, TMS, serial number, downtime code, ESR number, and multiple delay code. There is a sheet eject upon change in organization so the report may be separated for feedback information. In addition, at the end of each organization there are totals on the number of actions and the hours for both RED and AMBER conditions.

(8) MONTHLY CEM MASTER INVENTORY BY TMS, PCN 23140A, H6000 PCN GGIAF0DA (SEE FIGURE 3–12). A command option report. It lists a complete inventory by TMS, with a total line printed each time the TMS changes. Report is listed in sequence by subcommand, organization, and serial number within a TMS.

(9) MONTHLY CEM MASTER INVENTORY BY ORGANIZATION, PCN 23145A, H6000 PCN GGICF0EA (SEE FIGURE 3–13). A command option report. This listing reflects the total inventory at each organization. A comparison of this report and the base level inventory, PCN N265008, should be the same. The listing is sorted by organization, so it may be separated for feedback information.

(10) TMS TOTALS BY SUBCOMMAND, PCN 23146A, H6000 PCN GGIEF0CA (SEE FIGURE 3–14). A command option report. It is produced along with the onthly CEM Master Inventory by Organization, PCN 23145A. The listing reflects each TMS on inventory and the totals by subcommand.

(11) MONTHLY WUC SUMMARY – SUPPLY DELAYS, PCN 23150A, H6000 PCN GGIKF0CA (SEE FIGURE 3–15). A command option report. To produce this report, punched cards (AF Form 1500) are required. The format of these cards is to punch a "1" in card column one (1) and the TMS to be selected in card columns three (3) through ten (10). A maximum of 25 different TMSs can be selected for one reporting cycle. Once a TMS has been selected for report preparation, only the ten (10) high work unit codes will be selected and printed. Selection of the ten high WUC items will be based on total supply delay hours without regard to inventory of percentage. For each WUC selected, the five (5) organizations with the highest percentage of supply delay time will be listed. Entries will be printed only for organizations reporting supply delay time for a selected WUC in cases where there are less than five organizations.

(12) END ITEM SUMMARY BY TMS, PCN 23165A, H6000 PCN GGT1F0BA (SEE FIGURE 3–16). A command optional report. The listing can be used by the analysis section to determine trends in mean time between failures and meantime to repair. Percentages are computed for up-time ratio (UTR), maintenance downtime (MDT), other downtime (ODT), and supply delay time (SDT). The figures shown on the line entry "RED" indicate the number of red actions with downtime codes, F, M, or R. To produce this report, punched cards (ADP General Purpose Cards) are required. Format of these cards is to punch a "1" in card column one (1) and the desired TMS to be selected in card columns three (3) through ten (10). A maximum of 25 different TMSs can be selected when producing this report. As shown, the report contains data for the preceding 12–month period.

(13) AFLC SUMMARY TAPE (HAF–LGY(M)7152). An end-of-month summary tape will be produced from this program. Each MAJCOM will be responsible to insure this program is run monthly and forwarded to HQ AFLC. The data will be due out of Major Commands to AFLC by the tenth workday following the reported month. The information included on this tape is summarized delay totals for each reported downtime code on each serial-numbered piece of equipment. It also reflects the total number of actions occurring during the month. There are no output products produced from this program.

(14) AFLC INVENTORY RECONCILIATION. An inventory reconciliation will be accomplished every 6 months as of end of June and December. This function is to insure AFLC has an updated CEM inventory file from the MAJCOM. The file is created by this program at command level and will be forwarded to AFLC by the tenth workday following the reported months. There are no output products produced from this program. When the reconciliation is run at AFLC, a listing of an unmatched or duplicate reporting of CEM equipment will be printed and returned to the Major Command for correction with the next reporting cycle.

PREPARED: 73 FEB 12 GROUND C-E-M EDIT LIST PCN 22014A AS OF: 31 JAN 73

I D	CN SB	OV DTE ESR =	ORGN DET/AD	TMS	SERIAL NUMBER	D T	NO	TIME STOP DELETE	TIME START ADD	DUR	MVC	N D C	S B C	M P C	C	4-18	COMMAND OPTION FIELDS 37-40	55-66	73-80
1	YC		191700	GRR007	000836						C-E-M MASTER INVENTORY RECORD								
3	YC	232007	191700	GRR007	000836	E	01	251400	251345	.3				R	S		3		
1	YC		191700	GRR007	000844						C-E-M MASTER INVENTORY RECORD								
3	YC	232007	191700	GRR007	000844	E	01	251615	251600	.3				R	S		3		
1	YC		191700	GRR007	001585						C-E-M MASTER INVENTORY RECORD								
3	YC	240009	191700	GRR007	001585	M	01	201910	201615	.9	AADAA			R	S		3		
3	YC	232007	191700	GRR007	001585	E	01	251330	251315	.3				R	S		3		
3	YC	290024	191700	GRR007	001585	M	01	252315	252240	.6	AADAA			R	S		3		
4	YC		191700	GRR007	003295		01		100800						S				
4	YC		191700	GRR007	003385		01		100800						S				
1	YC		191700	GRT003	001947						C-E-M MASTER INVENTORY RECORD								
3	YC	231007	191700	GRT003	001947	E	01	241430	241415	.3				R	S		3		
1	YC		191700	GRT003	002190						C-E-M MASTER INVENTORY RECORD								
3	YC	231056	191700	GRT003	002190	E	01	242050	241920	1.5				R	S		3		
1	YC		191700	GRT003	003406						C-E-M MASTER INVENTORY RECORD								
3	YC	231056	191700	GRT003	003406	E	01	241810	241640	1.5				R	S		3		
3	YC	240013	191700	GRT003	003406	M	01	242000	241900	1.0	AAEAO			R	S		3		
3	YC	290012	191700	GRT003	003406	C	01	251715	251510	2.1				R	S		3		

Figure 3–1. CEM Edit List, PCN 22014A.

PREPARED 73 JUL 28 — DAILY CEM DETAIL CARD EDIT — AS OF 73 JUL 28 — PCN N265002

I D	CMD SUB	ESR / OVRHL	ORGN DET/AD	TMS	SERIAL NUMBER	DT C	MO	STOP DELETE	START ADD	DUR	WORK UNIT CODE	M D C	S D C	E P C	C C	ERROR CODES	COMMAND OPTION FIELDS 4-18	37-40	55-66	73-79
0	YC	0000	191700	CWP335	003968		07		010000						L	S				
4	YC	0000	191700	CWP335	003968		07		010000						L	S				
3	YC	059Q179	191700	CWP335	003968	M	07		281401		BB640			R	R	S				
6	YC		191700	CWP335	003968		07		281401								HAIRLINE SPLIT IN ONE WOOFER AND TWO TWEETERS			
0	YC		191700	FPN016	000008		07		010000							S				
3	YC	191F325	191700	FPN016	000008	G	07		281400					R	A	S				
3	YC	191F325	191700	FPN016	000008	G	07		281401			U	A	R	A	S				
0	YC		191700	GBS943	000967		07		010000							S				
3	YC	1911701	191700	GBS943	000967	B	07		281335					R	R	S				
3	YC	1911701	191700	GBS943	000967	B	07		281335			R	A	R	R	S				
0	YC		191700	GRR007	000415		07		010000							S				
3	YC	191F326	191700	GRR007	000415	M	07		281430		AC385			A	A	S				
3	YC	191F326	191700	GRR007	000415	M	07		281431		AC385	A	A	A	A	S				
0	YC		191700	GRT003	000558		07		010000							S				
3	YC	191F328	191700	GRT003	000558	E	07		281300					A	A	S				
0	YC		191700	GRT003	000967		07		010000							S				
3	YC	191F329	191700	GRT003	000967	E	07		281300					A	A	S				
0	YC		191700	GTW002	000068		07		010000							S				
3	YC	050J101	191700	GTW002	000068	M	07	201505	191924	19.7				A	A	S				
3	YC	051J112	191700	GTW002	000068	M	07	221010	201505	43.1	AA220			A	A	S				
3	YC	051J112	191700	GTW002	000068	M	07	221010	201505	43.1	AA220	U	A	A	A	S				
3	YC	059J165	191700	GTW002	000068	E	07		281300					R	R	S				
6	YC		191700	GTW002	000068		07		281300								EQUIPMENT/CHANNEL NOT OPEN DUE TO PMI			
0	YC	0000	191700	HRC537	003970		07		010000						L	S				TST OPT
4	YC	0000	191700	HRC537	003970		07		010000						L	S				TST OPT
3	YC	0613185	191700	HRC537	003970	M	07		261700		AB220			R	A	S				
3	YC	0613185	191700	HRC537	003970	M	07		261701		AB220	V	A	R	A	S				

\PCN N265002 — PAGE 1 — PAGE 1

Figure 3–2. Daily CEM Detail Card Edit List, PCN N265002.

PREPARED: 73 JUL 28 DAILY DETAIL STATUS (OPEN INCIDENTS ONLY) AS OF: 73 JUL 28 PCN N265007

CMD SUB	ORGAN DET/AD	TMS	SERIAL NUMBER	ESR NUMBER	D T	D C	M C	WUC	START TIME MO	DA	TIME	MONTH DURR	C C	DLY START TIME MO	DA	TIME	S C	COMMAND OPTION FIELDS 4-16	37-39	73-79
YC	191700	CWP335	003968	0590179	M			BB640	07	28	1401	10.0	R				S			
HAIRLINE SPLIT IN ONE WOOFER AND TWO TWEETERS																				
YC	191700	FPN016	000008	191F325	G	U	A		07	28	1400	10.0	A	07	28	1401	S			
YC	191700	GBS943	000967	1911701	B	R	A		07	28	1335	10.4	R	07	28	1335	S			
YC	191700	GRC027	000725	0210014	M			AAFAC	07	21	1810	173.8	R				S			
YC	191700	GRN009B	000218	3280012	M			AAADB	07	24	1745	102.2	R				S			
YC	191700	GRR007	000415	191F326	M	A	A	AC385	07	28	1430	9.5	A	07	28	1431	S			
YC	191700	GRT003	000558	191F328	E				07	28	1300	11.0	A				S			
YC	191700	GRT003	000967	191F329	E				07	28	1300	11.0	A				S			
YC	191700	GTW002	000068	059J165	E				07	28	1300	11.0	R				S			
EQUIPMENT/CHANNEL NOT OPEN DUE TO PMI																				
YC	191700	HRC537	003970	0613185	M	V	A	AB22D	07	26	1700	55.0	A	07	26	1701	S			

PCN N265007 PAGE 1 END PAGE 1

Figure 3–3. Daily Detail Status (Open Incident Only), PCN N265007.

PREPARED 73 JAN 31 — CEM MASTER INVENTORY BY ORGANIZATION — AS OF 73 JAN 26 — PCN N265008

CMD SUB	OVERHAUL YR	OVERHAUL MO	ORGN DET/AD	TMS	SERIAL NUMBER	GAIN DATE MO	GAIN DATE DAY	GAIN DATE TIME	4-18	37-40	55-66	73-80
YC			191700	FPN016	000008	01	01	0000	S			
	TOTAL TMS 1											
YC			191700	FPN047	000004	01	01	0000	S			
	TOTAL TMS 1											
YC			191700	FRC019B	000018	01	01	0000	S			
	TOTAL TMS 1											
YC			191700	GRC027	000033	01	01	0000	S			
YC			191700	GRC027	000341	01	01	0000	S			
YC			191700	GRC027	000725	01	01	0000	S			
YC			191700	GRC027	003245	01	01	0000	S			
	TOTAL TMS 4											
YC			191700	GRN009B	000218	01	01	0000	S			
	TOTAL TMS 1											
YC			191700	GRR007	000350	01	01	0000	S			
YC			191700	GRR007	000415	01	01	0000	S			
YC			191700	GRR007	000593	01	01	0000	S			
YC			191700	GRR007	000834	01	01	0000	S			
YC			191700	GRR007	000836	01	01	0000	S			
YC			191700	GRR007	000844	01	01	0000	S			
YC			191700	GRR007	000857	01	01	0000	S			
YC			191700	GRR007	001585	01	01	0000	S			
YC			191700	GRR007	001758	01	01	0000	S			
YC			191700	GRR007	003295	01	01	0000	S			
YC			191700	GRR007	003385	01	01	0000	S			
YC			191700	GRR007	004699	01	01	0000	S			
YC			191700	GRR007	005177	01	01	0000	S			
YC			191700	GRR007	005686	01	01	0000	S			
	TOTAL TMS 14											
YC			191700	GRT003	000538	01	01	0000	S			

PCN N265008 — PAGE 1 — PAGE 1

Figure 3–4. CEM Master Inventory by Organization, PCN N265008.

PREPARED 09 APR 73 80/80 LIST OF DUPLICATE TRANSACTIONS PCN 23101A AS OF DATE 31 MAR 73

*** NO DUPLICATE TRANSACTIONS FOUND ***

END PAGE 1

Figure 3–5. 80/80 List of Duplicate Transactions, PCN 23101A, H6000 PCN GGA2F0DA.

DAILY CEM DETAIL CARD EDIT PCN 23105A

PREPARED 21 DEC 72 — AS OF 15 DEC 72

ID	CMD	ORGN	DET	ESN	TMS	D T	MO	STOP-- DELETE	START- ---ADD	DURATION	D C	M D	S C	W-U-C	SERIAL NUMBER	E C	C C	ERROR CODES	OPT-1 4----18	OPT-2 37-40	OPT-3 55--------66	OPT-4 73----79
3	TB	0728		3218008	TRC087A	M	12	060220	161045	122.3				AAF00	000010	A	A					
3	TB	0728		3418001	TRC087A	M	12		060230					AABKA	000010	A	A					
3	TB	0728		3418001	TRC087A	M	12	061300	060230	10.5				AABKA	000010	A	A					
3	TB	0728		3428004	TRC087A	M	12		071300					AADOO	000010	A	A					
3	TB	0728		3428004	TRC087A	M	12		071310		J	A		AADOO	000010	A	A					
C	TB	0728		258014	TRC097A	E	11	201430	201330						008001	R	R					
									NO INVENTORY MASTER FOR ABOVE TRANSACTION													
	TB	0728		0000	TRC097A										008090							
3	TB	0728		3398015	TRC097A	M	12	041600	041500	1.0				AACEQ	008090	A	A					
	TB	0728		7110	TSC015										000016							
3	TB	0728		3368005	TSC015	M	12		011630					AAGAO	000016	R	R					
	TB	0728		7111	TSC015										000031							
3	TB	0728		3228005	TSC015	E	11		151040				X		000031	R	R					
	TB	0728		7112	TSC015										000033							
3	TB	0728		3408017	TSC015	S	12	051925	051900	.4					000033	R	R					
	TB	0728		7110	TSC015										000156							
3	TB	0728		3408018	TSC015	S	12	051925	051900	.4					000156	R	R					
	TB	0728		7110	TSC062										000005							
3	TB	0728		3418007	TSC062	M	12		061015					AD009	000005	A	A					
3	TB	0728		3418007	TSC062	M	12	071325	061115	26.2	J	A		AD009	000005	A	A					
3	TB	0728		3418007	TSC062	M	12		071330		M	B		AD009	000005	A	A					
	TB	0728			TSQ091										000003							
3	TB	0728		058007	TSQ091	M	12	020829	020950	32.5			X	AEPAO	000003	A	A					
3	TB	0728		3378003	TSQ091	M	12		020830					AGA22	000003	A	A					
3	TB	0728		3378003	TSQ091	M	12		040930		J	A		AGA22	000003	A	A					
3	TB	0728		3378003	TSQ091	M	12	061055	040930	49.4	J	A		AGA22	000003	A	A					
3	TB	0728		3378003	TSQ091	M	12		061100		M	B		AGA22	000003	A	A					
	TB	0728		0000	VRC046										005243							
3	TB	0728		3468005	VRC046	E	12	111530	111415	1.3					005243	R	R					

Figure 3–6. Daily CEM Detail Card Edit, PCN 23105A, H6000 PCN GGA4F0FA.

PREPARED 13 NOV 72 — DAILY DETAIL STATUS (OPEN INCIDENTS ONLY) PCN 23110A — AS OF 27 OCT 72

CMD SUB	ORGAN DET/AD	TMS	SERIAL NUMBER	ESR NUMBER	D T	D C	M C	WUC	START TIME MO	DA	TIME	MONTH DURR	C C	DLY MO	START TIME DA	TIME	S C	COMMAND OPTION FIELDS 4-16	3739	73-79
TB	0728	TRC097A	008094	848012	M			AAEF0	10	20	1200	180.0	A				X			255
TB	0728	TSC015	000031	848006	M	V	A	AAA99	10	10	0910	422.8	R	10	10	0910				105
TB	0728	TSC015	000032	788006	M	V	A	AAG00	10	04	1330	562.5	A	10	10	0930				255
LAY DUE TO ORI																				
TB	0728	TSC015	000156	262031	M			AAE00	09	18	1530	648.0	A							255
WUC AAE00 VU METER BAD																				
TB	0728	TSC060	000010	269005	M	R	A	AEK00	09	25	0010	648.0	A	09	25	0015				255
TB	0728	TSC062	000005	263007	M	M	A	AAA00	09	19	1040	648.0	A	09	19	1040				615
TB	0728	TSQ091	000003	948009	M			AED00	10	20	1000	182.0	A							255
A=35 =1 A/C HAS WEAK SUCTION GASKET																				
TB	0728	VRC046	009214	249024	M	M	A	AAA00	09	18	1000	648.0	R	09	18	1000	X			051
TB	0729	MCC012	103412	799015	M			AACCA	10	05	1130	540.5	A							255
TB	0729	TRC066A	000028	083501	M			AAAR0	10	19	0730	208.5	A							255
TB	0729	TRC066A	000041	210023	M	M	B	AAB00	08	01	0700	648.0	R	10	03	0830				255
WUC AAAF0 AMP CONV BAD																				
TB	0729	TRC066A	000050	168011	M			AAAV0	06	16	0920	648.0	A					OSC		255
Z DELAY PACKED FOR DEPLOYMENT																				
TB	0729	TRC075	000011	869020	M			AAG00	10	12	1340	370.3	R							255
TB	0729	TRC087	000021	879008	M			AAA00	10	13	1245	347.3	A							255
TB	0729	TRC087A	000022	879004	M			AADA9	10	13	1030	349.5	R							255
TA CH A B C AND D																				
TB	0729	TRC097A	000002	849013	M			AEA00	10	10	1330	418.5	R							255
TB	0729	TSC015	000154	272001	M	M	A	AAEK0	09	28	0800	648.0	A	10	03	0830				255

Figure 3–7. Daily Detail Status (Open Incident Only), PCN 23110A, H6000 PCN GGA6F0DA.

PREPARED 31 MAR 73 COMMAND AFCS COMMAND CEM EQUIPMENT STATUS SUMMARY HAF-LGY(M)7152 PCN23115A AS OF DATE 31 MAR 73

LIKE FUNCTION 06 GCA

CONDITION	NUMBER ACTIONS	UP TIME UTR	MAINTENANCE DOWNTIME SCED	TCTO	UNSCED	DEPOT	OTHER DOWNTIME	DELAY	SUPPLY DELAY TIME CSS	DEPOT	DSA	OTHER	TOTALS MAINT	ODT	SUPPLY
TMS FPN016	TOT/EQ 28														
RED	1	20287	545	0	0	0	0	0	0	0	0	0	545	0	0
		97.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0
RED AND AMBER	5	12116	545	0	744	0	0	0	0	6944	482	0	1289	0	7426
		58.1	2.6	.0	3.5	.0	.0	.0	.0	33.3	2.3	.0	6.1	.0	35.6
TMS FPN016A	TOT/EQ 23														
RED	0	17112	0	0	0	0	0	0	0	0	0	0	0	0	0
		100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
RED AND AMBER	2	12168	0	0	1966	0	0	0	1313	1665	0	0	1966	0	2978
		71.1	.0	.0	11.4	.0	.0	.0	7.6	9.7	.0	.0	11.4	.0	17.4
TMS MPN013	TOT/EQ 47														
RED	0	34832	0	0	0	0	0	0	0	0	0	0	0	0	0
		100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
RED AND AMBER	6	23448	0	0	1253	0	0	0	0	9546	585	0	1253	0	10131
		67.3	.0	.0	3.5	.0	.0	.0	.0	27.4	1.6	.0	3.5	.0	29.0
TMS MPN013A	TOT/EQ 9														
RED	0	6696	0	0	0	0	0	0	0	0	0	0	0	0	0
		100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
RED AND AMBER	2	4872	0	0	0	0	718	0	0	1106	0	0	0	718	1106
		72.7	.0	.0	.0	.0	10.7	.0	.0	16.5	.0	.0	.0	10.7	16.5
MPN013B															

Figure 3–8. Command CEM Equipment Status Report, PCN 23115A, H6000 PCN GGI1F0DA.

PREPARED: 31 MAY 73 MONTHLY WUC SUMMARY - UNSCHEDULED MAINTENANCE DOWNTIME PCN 23125A AS OF: 31 MAR 73

TMS	WUC	NOUN	ORGN DET/AD	UNSCHEDULED MAINTENANCE DOWNTIME AMBER	RED	TOTAL	NUMBER FAILURES	DELAY HOURS
MRN007A	AAAB0		192000		42	42	1	42
	AAC00		205000				5	
	AACA0		198900	16		16		16
			192300				1	
			201800				1	
	AACAE		191700				1	
	AACEA		200100	8		8	1	
	AAD00		192300	1		1	1	
	AADA0		205000	627		627	6	619
	OTHER		OTHER		4	2326	28	1571
TMC032	AA009		000400	744		744	1	744
	AABF0		000300	589		589	1	
	AAFA0		000500	734		734	1	114
	AAF80		000300	926		926	2	910
			206900		16	16	1	16
TSM007	AA009		000100		2232	2232	3	2232
	ABNB0		000300	744		744	1	744
	ABQ00		000300	153		153	1	153
	ABS00		190800	608		608	1	608
	ABS:0		000200	744		744	1	744
	ABS1B		000300	897		897	2	886
	ABWAD		000300	139		139	1	20

Figure 3–9. Monthly WUC Summary – Unscheduled Maintenance Downtime, PCN 23125A, H6000 PCN GGI5F0EA.

PREPARED 04 JAN 73 — MONTHLY CEM DETAILED ESR LISTING BY TMS PCN 23130A — AS OF 31 DEC 72

SUB CMD	ORGN DET/AD	TMS	ESR NUMBER	D T	D C	M C	MO	START DAY	START TIME	STOP DAY	STOP TIME	DURATION	C C	SERIAL NUMBER	NUC	---COMMAND OPTION FIELDS--- 4-16	3739	73-79	TYPE TRAN
E	0082	TSC053	397051	M			12	04	0830	11	0915	168.8	A	000009	AEBJ0			693	3
E	0082	TSC053	397051	M	M	A	12	07	0730	11	0900	97.5	A	000009	AEBJ0			693	3
E	0083	TSC053	480301	E			12	13	0830	13	1030	2.0	R	000007					3
E	0083	TSC053	350501	M			12	01	1530	11	1100	235.5	A	000007	AQC00			037	3
E	0084	TSC053	427201	E			12	07	0730	07	0830	1.0	R	000004					3
E	0084	TSC053	427201	E			12	07	1300	07	1400	1.0	R	000004					3
E	0084	TSC053	437201	E			12	08	1200	08	1300	1.0	R	000004					3
E	0084	TSC053	467201	E			12	11	0800	11	0900	1.0	R	000004					3
E	0084	TSC053	487201	E			12	13	0900	13	1000	1.0	R	000004					3
E	0084	TSC053	537201	E			12	18	1400	18	1500	1.0	R	000004					3
E	0084	TSC053	547201	E			12	19	1400	19	1500	1.0	R	000004					3
E	0084	TSC053	557201	E			12	20	1400	20	1500	1.0	R	000004					3
E	0607	TSC060	422010	M			12	07	1500	18	1430	263.5	A	000016	ARH00			450	3
E	0607	TSC060	422010	M	M	A	12	12	0700	18	1000	147.0	A	000016	ARH00			450	3
E	0609	TSC060	130105	M			11	17	1345	19	1100	45.3	R	000023	AA000			799	3
E	0609	TSC060	550104	M			12	20	1000	31	2400	278.0	A	000023	AQFA0				3
E	0609	TSC060	550104	M	M	A	12	21	1700	31	2400	247.0	A	000023	AQFA0				3
E	0727	TSC060	080005	M			11	06	0810	20	0930	465.5	A	000014	ASA00			070	3
E	0727	TSC060	080005	M	M	B	12	08	1410	15	1320	167.2	A	000014	ASA00			070	3
B	0728	TSC062	418007	M			12	06	1015	31	2400	613.8	A	000005	AD009				3
B	0728	TSC062	418007	M	M	B	12	07	1330	31	2400	586.5	A	000005	AD009				3
B	0729	TSC062	097015	M			09	14	1200	31	2400	744.0	A	000011	AFB00				3
E	0607	TSC062	569510	E			12	21	0830	21	0915	.8	R	000012					3

Figure 3–10. Monthly CEM Detailed ESR Listing by TMS, PCN 23130A, H6000 PCN GGI7F0EA.

PREPARED 16 MAR 73 — MONTHLY CEM DETAILED ESR LISTING BY ORGN PCN 23135A — AS OF 12 MAR 73

SUB CMD	ORGN DET/AD	TMS	ESR NUMBER	D T	D C	M C	MO	START DAY	START TIME	STOP DAY	STOP TIME	DURATION	C C	SERIAL NUMBER	NUC	TOTAL NUMBER RED	TOTAL HOURS RED	ACTIONS AMBER	HOURS AMBER	TYPE TRAN
G	194200	FPN016A	610002	E			03	02	0615	02	0600	1.8	R	000026						3
G	194200	FPN016A	630004	E			03	04	1110	04	1200	.8	R	000026						3
G	194200	FPN016A	640002	E			03	05	0400	05	0600	2.0	R	000026						3
G	194200	FPN016A	650003	E			03	06	0400	06	0600	2.0	R	000026						3
G	194200	FPN016A	660004	E			03	07	0415	07	0600	1.8	R	000026						3
G	194200	FPN016A	670009	E			03	08	0445	08	0538	.9	R	000026						3
G	194200	FPN016A	660002	M			03	06	2230	07	0130	3.0	A	000026	AABAO	6	9.3	1	3.0	3
G	194200	FPN047	630003	C			03	04	1000	04	1050	.8	R	000017						3
G	194200	FPN047	630001	E			03	04	0820	04	0959	1.7	R	000017						3
G	194200	FPN047	650002	E			03	06	0200	06	0400	2.0	R	000017		3	4.5	0	.0	3
G	194200	FYA071	630002	M			03	04	0815	04	0925	1.2	A	010245	AEACE					3
G	194200	FYA071	630007	M			03	04	1820	04	1859	.7	A	010245	AEACG					3
G	194200	FYA071	660003	M			03	07	0030	07	0400	3.5	A	010245	AEACE					3
G	194200	FYA071	660006	M			03	07	0800	07	1025	2.4	A	010245	ABAEO					3
G	194200	FYA071	650005	E			03	06	0755	06	0905	1.2	A	017247						3
G	194200	FYA071	620001	Q			03	03	0633	03	1718	10.8	R	017247		1	10.8	5	9.0	3
G	194200	GXJ015	610003	M			03	02	0500	02	0830	3.5	A	000007	AARDO	0	.0	1	3.5	3
G	194200	MRN007	620014	E			03	03	1600	03	1655	.9	R	000025		1	.9	0	.0	3
G	194200	MRN008	670010	C			03	08	0920	08	1522	6.0	R	000025						3
G	194200	MRN008	630006	E			03	04	1610	04	1657	.8	R	000025						3
G	194200	MRN008	670025	F			03	08	1600	08	1800	2.0	R	000025		3	8.8	0	.0	3
																14	34.3	7	15.5	

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Figure 3–11. Monthly CEM Detailed ESR Listing by Organization, PCN 23135A, H6000 PCN GGI9F0EA.

PREPARED 0Y APR 73 — MONTHLY CEM MASTER INVENTORY BY TMS (PCN 23140A) — AS OF 31 MAR 73

SUB CMD	OVERHAUL YR	OVERHAUL MO	ORGN DET/AD	TMS	SERIAL NUMBER	MO	ADD DAY	ADD TIME	DELETE DAY	DELETE TIME	COMMAND 4-18	OPTION 37-40	FIELDS 55-66	FIELDS 73-80
J			193100	UXH002	000094	07	01	0001			A			
R			189100	UXH002	000004	07	01	0001			Q			
R			189100	UXH002	000239	09	01	0002			Q			
R			195600	UXH002	000001	06	01	0001			R			
R			195800	UXH002	000045	03	08	0001			Q			
R			195800	UXH002	000056	03	08	0001			Q			
R			196200	UXH002	000043	05	16	0001			R			
R			196200	UXH002	000123	05	16	0001			R			
R			196200	UXH002	000194	05	16	0001			R			
R			212700	UXH002	000059	02	21	0001			R			
R			212700	UXH002	000092	06	01	0001			R			
R			214600	UXH002	000003	05	01	0001			R			
R			214600	UXH002	000005	03	05	1045			R			

TOTAL NUMBER EQUIPMENT WITHIN TMS AT CLOSE-OUT: 13

Figure 3–12. Monthly CEM Master Inventory by TMS, PCN 23140A, H6000 PCN GGIAF0DA.

PREPARED 31 MAR 73 MONTHLY CEM MASTER INVENTORY BY ORGANIZATION (PCN 23145A) AS OF 31 MAR 73

SUB CMD	OVERHAUL YR	OVERHAUL MO	ORGN DET/AD	TMS	SERIAL NUMBER	MO	ADD DAY	ADD TIME	DELETE DAY	DELETE TIME	COMMAND 4-16	OPTION 37-40	FIELDS 55-66	FIELDS 73-80
A			000100	MPN013A	000587	10	11	0700			R			
A			000100	MPN014E	000121	03	06	0900			R			
A			000100	MRC108	000082	11	06	0600			R			
A			000100	MRN012A	000007	02	02	0630			R			
A			000100	MRN012A	000025	09	02	0830			R			
A			000100	MRN012A	000030	07	13	0700			R			
A			000100	MRN013	000038	07	01	0002			R			
A			000100	MSQ010	000020	10	28	1645			R			
A			000100	TRC035	000009	11	13	1900			R			
A			000100	TRC035	000011	09	15	1400			R			
A			000100	TRC035	000066	11	13	1500			R			
A			000100	TRC035	000091	09	06	1300			R			
A			000100	TRC096	000007	07	01	0002			R			
A			000100	TRC096	000017	07	01	0002			R			
A			000100	TRC097A	000084	09	06	1300			R			
A			000100	TRC097A	000085	07	01	0830			R			
A			000100	TRC097A	000108	08	29	0630			R			
A			000100	TRC097A	000135	03	30	1430			R			
A			000100	TRC097A	000138	07	03	0900			R			
A			000100	TRN017	000001	05	31	0830			R			
A			000100	TRN017	000007	07	11	0830			R			
A			000100	TRN017	000013	07	01	0002			R			
A			000100	TRN017	000022	11	18	0630			R			

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Figure 3–13. Monthly CEM Master Inventory by Organization, PCN 23145A, H6000 PCN GGICF0EA.

PREPARED 31 MAR 73 TMS TOTALS BY SUB-COMMAND PCN23146A AS OF DATE 31 MAR 73

SUB-COMMAND: X

TMS	TOTAL	TMS	TOTAL	TMS	TOTAL	TMS	TOTAL	TMS	TOTAL	TMS	TOTAL	TMS	TOTAL
FCC017	3	FCC019	7	FCC025	1	FGC060	6	FGC061	4	FGC076	7	FGC147	3
FPN016	22	FPN016A	1	FPN047	14	FRA090	32	FRC019B	29	FRC109	6	FRC153	6
FRC153V	20	FRN031	19	FRJ011	2	FRR070	1	FRT039	2	FSA004	9	FSA004A	7
FSA022	3	FYA071	26	FYJ045	2	GCC020	16	GCC020V	6	GKR004	1	GPA133	4
GRA053	13	GRC032	15	GRC175	35	GRN009A	1	GRN009B	3	GRN009C	2	GRN019A	13
GRN020A	4	GRN020B	6	GRN020C	8	GRN021	4	GRN024	3	GRN025	18	GRN025A	30
GRN025	23	GRR029	13	GRR032	51	GRT021	3	GRT027	14	GRT028	6	GRT029	2
GRT030	2	GRT031	28	GRT032	6	GRT033	27	GSA092	6	GSA125	1	GSH035	107
GT#002	28	GXA007	1	GXJ015	4	GYD013V2	1	MPN013	6	MPN013A	1	MPN014H	5
MPN014J	1	MRC094	1	MRN007	17	MRN007A	13	MRN008	17	MRN008A	13	MRN012A	3
MRN020	1	MSC046	1	TRC024	8	TRC032	2	TRC035	2	TRC036	2	TRC068	4
TRN006	1	TRN026	1	TRN031	2	UCC004	4	URC032	8	URN003A	1	URN005	10

Figure 3–14. TMS Totals by Subcommand, PCN 23146A, H6000 PCN GGIEF0CA.

PREPARED 73 MAR 31 — MONTHLY WUC SUMMARY - SUPPLY DELAYS PCN 23150A — AS OF 73 MAR 31

TMS	WUC	NOMENCLATURE	ORGN DET/AD	SUPPLY DELAY TIME J	L	R	N	P	Q	R	Y	TOTALS SDT	%	CONDITION AMBER	CODE RED	NORS ACTS
G1U013V2	CA8D0		194300	0	0	33	0	0	0	0	0	33		33	0	0
			*	0	0	33	0	0	0	0	0	33	65	33	0	0
G1U013V2	C0CJ0		194300	0	0	19	0	0	0	0	0	19		19	0	0
			*	0	0	19	0	0	0	0	0	19	37	19	0	0
			**	0	0	52	0	0	0	0	0	52	0	52	0	0

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Figure 3–15. Monthly WUC Summary – Supply Delays, PCN 23150A, H6000 PCN GGIKF0CA.

PREPARED 06 FEB 73 — END ITEM SUMMARY BY TMS PCN 23165A — AS OF 31 JAN 73

TMS FPN016

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVERAGE
RED	0	0	4	0	0	0	0	0	0	0	0	0	0
UTR%	100	100	76	100	100	100	100	100	100	100	100	100	97
MDT%	0	0	24	0	0	0	0	0	0	0	0	0	0
ODT%	0	0	0	0	0	0	0	0	0	0	0	0	0
SDT%	0	0	0	0	0	0	0	0	0	0	0	0	0
MTBF	0	0	142	0	0	0	0	0	0	0	0	0	11
MTTR	0	0	44	0	0	0	0	0	0	0	0	0	4
RED + AMBER	2	2	4	4	2	3	0	0	0	1	2	4	2
UTR%	61	67	62	100	99	97	100	100	100	92	98	92	88
MDT%	0	0	24	0	1	2	0	0	0	8	1	8	3
ODT%	39	0	7	0	0	1	0	0	0	0	1	0	4
SDT%	0	33	8	0	0	0	0	0	0	0	0	0	3
MTBF	226	248	116	185	370	1165	1981	2081	2972	2728	315	332	1051
MTTR	0	1	0	0	0	1	0	0	0	245	38	28	26

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Figure 3-16. End Item Summary by TMS, PCN 23165A, H6000 PCN GGT1F0BA.

APPENDIX 4-5C

Section c

Trainer Equipment Inventory, Utilization and Status Reporting Systems - Output Reports

Chapter 3

OUTPUT PRODUCTS

3–1. PURPOSE OF CHAPTER. This chapter provides sample output reports on Trainer Equipment Reporting at base level. These reports are prepared on a monthly basis.

3–2. B3500 TRAINER EQUIPMENT EDIT LISTING, PCN N272001. Listing reflects a line entry for each master card and a subsequent line entry for any transaction submitted on a trainer during the reporting period. In addition, data submitted that was not reported on a trainer for previous months will be listed as "UNREPORTED DATA". The listing will identify any error on the transaction submitted (see figure 3–1). The following Trainer Error Codes are listed to identify the reason the transaction was in error.

A – Serial number must be alphanumeric on all gain transactions.

B – Invalid organization on a gain transaction.

1. Fields cannot be blank.

2. Number must be numeric in columns 16–19.

3. Kind must be alpha in columns 20–22.

4. Type must be alpha in columns 23–24.

C – Command code must be alpha.

D – Installation indicator must be alpha on gain transaction. Field cannot be blank.

E – Possession code must be valid. Possession code VJ must have H command code; possession code XK must have J command code; possession code WK, WM, or WO must have F command code. Other valid possession codes are PJ, TJ, WJ, XJ, WN, XS, XT, XU, XV, XW, XX, or XY.

F – Column 36 must be G, L, T, or blank.

1. If G in 36, column 37 must be B, F, or I.

2. If L in 36, column 37 must be B or F.

3. If T in 36, column 37 must be B, F, G, H, I, J, K, L, W, or X.

4. If column 36 is blank, column 37 must be blank.

I – Duplicate reporting of trainer. Error occurs when a trainer with the same serial number and reporting designator appears on the master more than once within the same time frame during a reporting period.

K – Reporting designator must be alphanumeric on all gain transactions. Cannot be blank. First digits of designator must be 1, 2, 3, 4, or 9. When reporting group four (4) trainers the last position of reporting designator must be a "T".

L – Invalid add/delete card.

1. Add/delete code is punched in column 27 and must be an A, D, or space.

2. The data on a delete card must contain the same information in columns 1 through 33 as the original data submitted.

M – Invalid gain/loss/termination card. The submission of a gain card on a trainer already on the master must be preceded by a loss card or this error will occur.

P – Transaction does not match master inventory, or is not preceded by a valid gain card.

S – Condition status code must be A, B, C, or M.

T – Hour of change must be 24.

U – Start/stop times must be numeric and start time cannot be greater than stop time.

V – Elapsed time must be numeric and cannot be greater than 24.0.

W – Date must be numeric and cannot be greater than the as of date.

Y – Column 80 must be a "T".

Z – Mission symbol must be T–1, T–3, or T–9.

INVALID TRANSACTION – Card invalid when it cannot be identified specifically as a maintenance, utilization, inventory change, or a replenishment card.

3–3. B3500 MONTHLY BASE LEVEL TRAINER STATUS SUMMARY REPORT, PCN N272003. This report reflects a line entry summary for each reportable trainer possessed on base. When "UNREPORTED DATA" has been submitted during the current month, a separate listing will be produced with an as of date being the last day of the month of the data reported. The current month's summary listing will show only that data reported for current month. The report is self-explanatory in its content (see figure 3–2). It may be noted, however, that only the primary mission symbols T–1 and T–3 will be used to report trainer utilization. The mission symbol T–9, Power On Time, is not to be constructed as utilization time. T–9 time includes all power on time whether for utilization, trainer maintenance, checkout, etc. All utilization time does not necessarily require power on. For example, the utilization time may exceed the power on time, it should also be noted that GB and GF type gains will be shown on the summary report, although these fields will be blanked out on the AFLC summary card.

3–4. B3500 REPLENISHMENT CARDS, PCN N272002. When replenishment cards are requested, they will be punched out with a Product Control Number N272002. These cards will be prepunched in columns 1 through 25, columns 28 through 33, and column 80.

3–5. B3500 ERROR CARDS, PCN N272004. When errors occur during the processing of the edit listing, error cards will be punched out with a Product Control Number N272004. These cards along with the listing are forwarded to the appropriate reporting activity for correction.

3–6. B263 TRAINER EQUIPMENT EDIT LISTING, PCN 22401A. This listing reflects a line entry for each master card and a subsequent line entry for any transaction submitted on a trainer during the reporting period. The listing identifies any error on the transactions submitted (see figure 3–3). The following error codes are listed to identify the reason the transaction was in error.

A – Gain/loss/termination code must be G, L, or T and appropriate type action code.

B – Add/delete code must be space, A or D.

D – First digit of reporting designator must be 1, 2, 3, or 9; or a 4 with "T" last digit.

E – Second through sixth digit of reporting designator must be alphanumeric. Field cannot be blank.

F – Last digit of reporting designator must be alpha or space.

G – Organization number must be numeric in columns 16–19.

H – Organization kind must be alpha in columns 20–22.

I – Organization type must be alpha in columns 23–24.

J – Command must be alpha.

K – Serial number must be alphanumeric; cannot be blank.

M – Installation location code must be alpha.

N – Possession code must be valid. Possession code VJ must have H command code. Possession code XK must have J command code. Possession code WK, WM, or WO must have F command code. Other valid possession codes are PJ, TJ, WJ, XJ, SN, XS, XT, XU, DV, XW, XX, or XY.

P – Transaction does not match master or not preceded by valid gain card.

S – Condition status code must be A, B, C, or M.

T – Hour of change must be 24.

U – Stop/start times must be numeric and start time cannot be greater than the stop time.

V – Elapsed time must be numeric and cannot be greater than 24.0.

W – Date must be numeric and cannot be greater than the as of date.

Y – Column 80 must be a "T".

Z – Mission symbol must be T-1, T-3, or T-9.

INVALID CARD – Card invalid when it cannot be identified specifically as a maintenance, utilization, inventory change, or a replenishment card.

3-7. B263 MONTHLY BASE LEVEL TRAINER STATUS SUMMARY REPORT, PCN 22403A. This report reflects a line entry summary for each reportable trainer. It is self-explanatory in its content (see figure 3-4).

3-8. TRAINER STATUS SUMMARY REPORT ERROR CODES. The following error codes are reflected, when applicable, on the base level Trainer Status Summary Report. These codes apply to all users of the system. An explanation of each code is listed to identify the reason the transaction was in error:

A – Serial number/reporting designator is not on the AFLC master inventory.

B – Invalid organization.

C – Command code does not match the master inventory and column 27 of input contains a "P".

D – Invalid installation location code.

E – Possession code must be valid for trainers and reported as follows:

COMMAND	CODES
All Commands	PJ, TJ, WJ, XJ, WN, XS, XT, XU, XV, XW, XX, or XY
AFLC Only	WK, WM, WO
ATC Only	XK
AFSC Only	VJ

F – Gain (G), Termination (T), or blank in column 34.

1. If G in 34, column 35 must be an "I".

2. If T in 34, column 35 must be B, F, G, H, I, J, K, L, W, or X.

G – Hours possessed field (columns 36-38).

1. Must be numeric.

2. Must be equal to or less than the number of hours in the as of month of the data.

3. Possessed hours field cannot be zeros.

H – Maintenance and utilization fields.

1. All the data in these fields must be zero.

2. The sum of the maintenance hours cannot exceed the number of hours possessed.

3. Trainer NORS hours cannot exceed the number of hours possessed.

4. The sum of T–1 and T–3 time cannot exceed the number of hours possessed.

5. T–9 time cannot exceed the number of hours possessed.

J – The as of date must be valid julian date and cannot be greater than the last day of the as of month of the data.

PREPARED: 73 MAY 03 TRAINER/EQUIPMENT LISTING AS OF: 73 APR 30 PCN N272001

SERIAL NUMBER	REPT DESGN	ORGANIZATION NR AND TP	C M	A U	STAT CODE	AS CD	HR CH	G L	I A	L S	TIME SIUP	TIME STRT	ELAP	DATE	HS	C C	ERROR CODES	
61016010	10L000	3525 PTN MG	J		YZJU	TJ										*	*	MASTER
61016011	10L000	3525 PTN MG	J		YZJU	TJ										*	*	MASTER
61016011	10L000	3525 PTN MG	J		YZJU	TJ							07.0	3120	T1	T *	*	TRANSACTION
61016012	10L000	3525 PTN MG	J		YZJU	TJ										*	*	MASTER
61016012	10L000	3525 PTN MG	J		YZJU	TJ				B	14.0	06.0		3059		T *	*	UNREPORTED DATA
61016016	10L000	3525 PTN MG	J		YZJU	TJ										*	*	MASTER
61016016	10L000	3525 PTN MG	J		YZJU	TJ							04.5	3116	T3	T *	*	TRANSACTION
[illegible]																		
61016017	10L000	3525 PTN MG	J		YZJU	TJ	24	L	B					3095		T *	*	TRANSACTION
61016018	10L000	3525 PTN MG	J		YZJU	TJ										*	*	MASTER
61016018	10L000	3525 PTN MG	J		YZJU	TJ							01.5	3095	T1	T *	*	TRANSACTION
61016019	10L000	3525 PTN MG	J		YZJU	TJ										*	*	MASTER
61016019	10L000	3525 PTN MG	J		YZJU	TJ							14.0	3092	T9	T *	*	TRANSACTION
61016019	10L000	3525 PTN MG	J		YZJU	TJ				H	10.4	12.7		3099		T *	*	TRANSACTION
61016404	10L000	3525 PTN MG	J		YZJU	TJ										*	*	MASTER
61016404	10L000	3525 PTN MG	J		YZJU	TJ				A	22.0	21.0		3090		T *	*	UNREPORTED DATA
61016404	10L000	3525 PTN MG	J		YZJU	TJ							14.0	3096	T9	T *	*	TRANSACTION
61016404	10L000	3525 PTN MG	J		YZJU	TJ							00.0	3113	T1	T *	*	TRANSACTION
61016407	10L000	3525 PTN MG	J		YZJU	TJ										*	*	MASTER
61016407	10L000	3525 PTN MG	J		YZJU	TJ							12.0	3105	T9	T *	*	TRANSACTION
61016407	10L000	3525 PTN MG	J		YZJU	TJ							01.5	3111	T1	T *	*	TRANSACTION
61016803	10L000	3525 PTN MG	J		YZJU	TJ										*	*	MASTER

PCN N272001 PAGE 4 PAGE 1

Figure 3–1. B3500 Trainer Equipment Edit Listing, PCN N272001.

PREPARED: 73 JUL 03 — MONTHLY BASE LEVEL TRAINER STATUS SUMMARY REPORT — AS OF: 73 JUN 30 — PCN N272003

SERIAL NUMBER	REPT DES	ORGANIZATION NR	KU	TY	CMD	GT A	STAT CODE	AS CD	P C	MUS HRS	NORM-B UNSCH	NORM-B SCH	NORM-F	TOT MNT	NRS F	T9 HRS	T1 HRS	T3 HRS	TOT UTL	DATE GAIN	ASOF DATE	C C
61016010	1DL000	3525	PTN	MG	J		TZJU	TJ	P	720	002	000	000	002	000	012	020	000	020	2366	3181	G
61016011	1DL000	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	012	023	000	023	2366	3181	G
61016012	1DL000	3525	PTN	MG	J		TZJU	TJ	P	720	000	006	000	006	000	012	017	000	017	2366	3181	G
61016016	1DL000	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	011	025	000	031	2366	3181	G
61016017	1DL000	3525	PTN	MG	J	L B	TZJU	TJ		696	009	044	025	078	019	000	000	000	000	2366	3181	G
61016018	1DL000	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	000	009	002	011	2366	3181	G
61016019	1DL000	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	012	014	002	016	2366	3181	G
61016124	1DL000	3525	PTN	MG	J	G I	TZJU	XK	P	648	000	000	000	000	000	000	000	000	000	3155	3181	G
61016404	1DL000	3525	PTN	MG	J		TZJU	TJ	P	720	001	000	000	001	000	024	023	001	024	2366	3181	G
61016407	1DL000	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	012	000	000	000	2366	3181	G
61016603	1DL000	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	022	021	000	021	2366	3181	G
61166118	1DM000A	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	024	024	000	026	024	002	026	2366	3181	G
61166119	1DM000A	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	042	032	002	034	2366	3181	G
61166120	1DM000A	3525	PTN	MG	J		TZJU	TJ	P	720	002	000	000	002	000	048	012	000	012	2366	3181	G
64916419	1DQ000A	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	049	022	000	022	2366	3181	G
64916420	1DQ000A	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	043	023	000	023	2366	3181	G
64936536	1DQ000A	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	002	024	000	024	2366	3181	G
64936701	1DQ000C	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	032	031	001	032	2366	3181	G
64936702	1DQ000C	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	034	033	000	033	2366	3181	G
64936703	1DQ000C	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	048	022	003	025	2366	3181	G
64936708	1DQ000C	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	028	021	000	021	2366	3181	G
61677003	9PF100	3525	PTN	MG	J		TZJU	TJ	P	720	000	000	000	000	000	000	000	000	000	2366	3181	G

Figure 3–2. B3500 Monthly Base Level Trainer Status Summary, PCN N272003.

'ARED 73 FEB 03 TRAINER/EQUIPMENT EDIT VG PCN 22401A AS OF 31 JAN 73

SERIAL NUMBER	REPT DES	ORGANIZATION NR	KJ	TP	C	A D	STAT CODE	AS CU	HR CH	G L	T A	E S	TIME STP	STA	ELP	DATE	MS	C C	M C	ERROR CODES	
00000532	40T033T	1254	FMM	SQ	H		AJXF	TJ												00001365	MASTER CARD
00000532	40T033T	1254	FMM	SQ	H		AJXF	TJ							080	3005	T9	T			
00000533	40T033T	1254	FMM	SQ	H		AJXF	TJ												00001365	MASTER CARD
00000533	40T033T	1254	FMM	SQ	H		AJXF	TJ				A	240	000		3017		T			
00000533	40T033T	1254	FMM	SQ	H		AJXF	TJ				B	240	000		3023		T			
00000534	40T033T	1254	FMM	SQ	H		AJXF	TJ												00001365	MASTER CARD
00000535	40T033T	1254	FMM	SQ	H		AJXF	TJ												00001365	MASTER CARD
00000535	40T033T	1254	FMM	SQ	H		AJXF	TJ				C	100	080		3030		T			
00000537	40T033T	1254	FMM	SQ	H		AJXF	TJ												00001365	MASTER CARD
00000539	40T033T	1254	FMM	SQ	H		AJXF	TJ												00001365	MASTER CARD
00000542	40T033T	1254	FMM	SQ	H		AJXF	TJ												00001365	MASTER CARD
00000542	40T033T	1254	FMM	SQ	H		AJXF	TJ							087	3001	T1	T			
00000542	40T033T	1254	FMM	SQ	H		AJXF	TJ							147	3002	T3	T			
00000542	40T033T	1254	FMM	SQ	H		AJXF	TJ				M	100	073		3003		T			
00000544	40T033T	1254	FMM	SQ	H		AJXF	TJ												00001365	MASTER CARD
00000544	40T033T	1254	FMM	SQ	H		AJXF	TJ				A	050	001		3004		T			
00000544	40T033T	1254	FMM	SQ	H		AJXF	TJ				B	080	002		3005		T			
00000544	40T033T	1254	FMM	SQ	H		AJXF	TJ				C	110	032		3006		T			
00000545	40T033T	1254	FMM	SQ	H		AJXF	TJ	24	G	I					3024		T			
00000545	40T033T	1254	FMM	SQ	H		AJXF	TJ							147	3025	T9	T			
00000545	40T033T	1254	FMM	SQ	H		AJXF	TJ							239	3026	T3	T			
00000545	40T033T	1254	FMM	SQ	H		AJXF	TJ							027	3027	T1	T			

Figure 3–3. B263 Trainer Equipment Edit Listing, PCN 22401A.

PREPARED: 73 FEB 03 MONTHLY BASE LEVEL TRAINER STATUS SUMMARY REPORT PCN: 22403A AS OF: 31 JAN 73

SERIAL NUMBER	REPT DES	ORGANIZATION NR	KD	TP	C	G T T A	STAT CODE	AS CD	P C	POS HRS	NORMG UNSCH	NORMG SCH	NORMF	TOT MNT	NRS F	T9 HRS	T1 HRS	T3 HRS	TOT UTL	DTE GAIN	ASOF DATE	C C	ERROR CODE
00000532	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	000	000	000	000	000	008	000	000	000	0000	3031	G	
00000533	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	024	024	000	048	000	000	000	000	000	0000	3031	G	
00000534	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	000	000	000	000	000	000	000	000	000	0000	3031	G	
00000535	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	000	000	002	002	000	000	000	000	000	0000	3031	G	
00000537	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	000	000	000	000	000	000	000	000	000	0000	3031	G	
00000539	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	000	000	000	000	000	000	000	000	000	0000	3031	G	
00000542	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	000	000	000	000	003	000	009	015	023	0000	3031	G	
00000544	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	005	008	008	021	000	000	000	000	000	0000	3031	G	
00000545	40T033T	1254	FMM	SQ	H		AJXF	TJ		096	000	000	000	000	000	015	003	024	027	3024	3031	G	
00000548	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	000	010	000	010	000	000	009	000	009	0000	3031	G	
00000552	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	000	000	000	000	000	000	000	000	000	0000	3031	G	
00000557	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	000	000	000	000	000	000	000	000	000	0000	3031	G	
00000558	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	013	000	000	013	000	014	000	000	000	0000	3031	G	
00000560	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	014	027	000	040	000	004	008	007	016	0000	3031	G	
00000562	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	000	007	000	007	000	000	000	000	000	0000	3031	G	
00000572	40T033T	1254	FMM	SQ	H		AJXF	TJ	P	744	000	000	000	000	000	000	005	019	024	0000	3031	G	

Figure 3–4. B263 Monthly Base Level Trainer Status Summary Report, PCN 22403A.

APPENDIX 4-5D

OUTPUT PRODUCTS, PRODUCT PERFORMANCE SYSTEM

This appendix contains complete descriptions of selected output products from the Product Performance System (DO56). The descriptions are reproductions of the forewords for each output product. They are indexed numerically by product control number (PCN).

APPENDIX 4-5D CONTENTS

ATTACHMENT NO.	PCN	TITLE
1.	D056B5006	Maintenance Actions, Manhours, and Aborts by WUC
2.	D056B5010	Inspection Interval
3.	D056B5011	Inspection Occurrence Interval
4.	D056B5015	Materiel Safety Deficiency Report
5.	D056B5016	Work Unit Code Corrosion Summary
6.	D056B5017	System and Subsystem Corrosion Summary
7.	D056B5022	System, Subsystem, Work Unit Code Failure Summary
8.	D056B5023	Failure Rate Data for Selected WUCs
9.	D056B5025	Maintenance Manhours per Flying Hour by Weapon Command and System
10.	D056B5503	Detail Maintenance Actions for Selected WUCs
11.	D056B5504	Detail Shop Actions for Selected WUCs and/or Parts Replaced During Repair
12.	D056B5527	Maintainability Reliability Summary
13.	D056B6528	Cannibalization Actions - Command Summary
14.	D056B6529	Cannibalization Actions - by Weapon System
15.	D056C4402	Selected Part Number Action Summary
16.	D056C4403	Maintenance Actions for Selected FIINs
17.	D056C4404	Parts Replaced During Field or Depot Repair
18.	D056C4417	Maintenance Reparable Processing Summary
19.	D056C5009	USAF Command NRTS and Repaired Summary
20.	D056C5010	Base NRTS and Repaired Summary
21.	D056C5027	Equipment NRTS and Repaired Summary
22.	D056C5605	Bit and Piece Replacement Summary
23.	D056C5929	Summary of PME Maintenance Actions
24.	D056C5930	PME Calibration Interval Analysis

APPENDIX 4-5D
ATTACHMENT NO. 1

PCN: D056B5006 31 October 1973
RCS: LOG-MMO(AR)7170
(Formerly RCS: 6-LOG-K261)

FOREWORD

TITLE: Maintenance Actions, Manhours, and Aborts by Work Unit Code.

SOURCE: AFM 66-1, TO 00-20-2 series, "On" and "Off" equipment work reported on AFTO Form 349.

FREQUENCY: Monthly (or less frequently at the option of the System Manager Air Logistics Center - refer to AFLCM 66-15).

CONTENTS: This report provides "On" and "Off" equipment historical information on the maintenance actions, manhours, and aborts for the past six months by month on every work unit code included in the master record. This report also provides a series of summary line entries for each system and subsystem. Due to the method of assigning and reporting Equipment Classification Codes for registered aerospace ground equipment, "off" equipment data cannot be displayed in AGE reports. It is significant to point out that all of the data columns displayed in this report unless otherwise noted in the column header relate to, and result from, "on" equipment maintenance actions.

USE: This report is used as a reference for historical information pertaining to each assigned WUC. It provides the capability to plot trending and performance data in the areas of failures, maintenance actions, manpower resource expenditure, and aborts. Primary use is for reliability/maintainability studies and to verify the effectiveness of modifications.

DESCRIPTION:

1. Responsible Logistic Management Organization and End Article Identification. In the upper left-hand corner of the report the System Manager Air Logistics Center and end article are identified. Also, the equipment type designator will be shown to identify the general category of equipment represented in the report. Equipment identification will be reflected as follows:

a. For aircraft and related mobile training units, the modified mission symbol (if assigned), basic mission and type symbol, design number and series (if master record is built for specific series) is specified. For example, F100, T039, T038T, or KC135A. The type designator identifying this equipment printed on the report is "ACF."

b. For air or ground launched missiles, the launch environment symbol, mission symbol, type symbol, design number and series symbol is specified. For example, AIM004A or LGM030B. The type designator identifying these equipments is "GLM" for ground and "ALM" for air.

c. For registered aerospace ground equipment, the Federal Supply Class (FSC) and FIIN designator portion of the registration number is specified. For example, 1730DAE. The type designator identifying this equipment is "AGE."

d. For trainers and simulators, the last two characters of the equipment classification code and first two characters of the end article work unit code identifying the type is specified. For example, RADF000. The type designator identifying this equipment is "TRS."

e. For Missile Class 1 trainers, the type, model, and series and an Alpha T are specified. For example, LGM30BT. The type designator identifying this equipment is "TRS."

f. For ground communications-electronic-meteorological equipment (except L systems), the type, design number, and series (if the master record is built for a specific series) is specified. For example, FPS006A. The type designator identifying this equipment is "CEM."

g. For ground communications L systems, the designation, and the three-character equipment classification code is specified. For example, 466L6A1. The type designator identifying this equipment is "CEM."

h. For aircraft engines, the basic engine type and model, and the last two characters of the equipment classification code for the aircraft in which the engine is installed is specified. For example, TF033BP. The type designator identifying this equipment is "ENG."

i. For munitions, a W to indicate munitions and the first three characters of the work unit code identifying the munitions item. For example, W RVS00. The type designator identifying this type of equipment is "WEP."

2. Period Ending - This is the last day of the report month. The month indicates the most current effective period of data reflected in this report.

3. WUC - This is the complete range of five-character Work Unit Codes (23000, 23100, 23111) that the System Manager has entered in the End Article master record on which actions have been

reported for at least one of the six months. Support general codes are included in this report; however, only limited columnar information is portrayed, i.e., manhours.

4. Noun - This is the noun(s) describing the work unit code as listed in the applicable code manual.

5. Cat, QPA, and ACT LMT or Fail LMT - Three of these four entries appear immediately below the Work Unit Code and Noun. Following is a description of each entry:

a. Cat - This is a category indicator assigned to the work unit code by the System Manager in the master record to specify one of the following:

Category Indicator	Description
A	Safety of Flight/Operation. This identifies work unit codes which, upon failure or malfunction, would present a hazard to the end piece of equipment or operating personnel.
B	Mission Accomplishment. This identifies work unit codes which, upon failure or malfunction, would adversely effect mission accomplishment.
C	General Logistics. This includes work unit codes not assigned Category A or B that will be evaluated from a reliability, critical support and normal performance standpoint.

b. QPA - This is the quantity per application of the work unit code to the end piece of equipment.

c. ACT LMT - If this header appears the entry is Action Limit. This value is a computed or manually assigned value based on accumulated experience, or estimated when an adequate experience base is not available. The criteria for establishing or adjusting this value is prescribed in AFLCM 66-15, Chapter 2, Section B. Action Limit applies only to aircraft, aircraft engines, AGM028, and AGM069A. If the work unit code experience reflects a low or erratic failure rate there probably will be no Action Limit assigned and the entry will be NO LMT denoting this fact.

d. FAIL LMT - If this header appears the entry is Failure Limit. This value is manually assigned by the Equipment Manager ALC and represents an acceptable and expected count of reported

failure conditions reported for one month. The criteria for establishing or adjusting this value is prescribed in AFLCM 66-15, Chapter 2, Section B. Failure Limits apply to all equipment not covered by Action Limits (paragraph c above). As in paragraph c above a NO LMT entry denotes a low or erratic failure rate and the Equipment Manager has not assigned a limit to this item.

6. Month - This is a listing of the current month and each of the preceding five months on which maintenance actions have been reported, or for which an MTBF has been computed. An asterisk (*) after the month indicates that the Action Limit or Failure Limit has been breeched for the month. For equipment where Action Limit applies, this indicator will appear when the MTBF has been calculated at less than the Action Limit. For equipment where Failure Limit applies, this indicator will appear when the failure count for one month equals or exceeds the Failure Limit. When any of the last six months do not appear in this column, it should be interpreted that there were no reported maintenance actions or manhours on the WUC during those months.

7. Inv - This is the inventory of the End Article and it is furnished for information only. Inventory is entered under the following criteria:

a. Computed Inventory - The data in Standard Aerospace Vehicle and Equipment Status Reports submitted in accordance with AFM 65-110 are used to compute inventory for the following weapons: aircraft, aircraft engines, the AQM and BQM drones, and, the ADM, AGM028, CGM, CIM and LGM missiles.

b. Special Inventory - A manual special inventory as entered in the B4 master record is indicated by an "X" immediately following the inventory entry. It will appear when the inventory of the WUC applies to only a part of the fleet or as stated in paragraph c below. This inventory is used to prorate operating time registered for the entire fleet, except fleet inventory will be used if the special inventory is greater. See paragraph 8.

c. Inventory for all equipment other than those categories indicated in paragraph a above is the inventory manually entered in the B4 master record by the System Manager. The inventory for equipment other than aircraft and engines is used to compute operating time which appears in the operating time column of this report. See Paragraph 8.

8. Op Time - This column displays the total fleet time that the end article was operated for each month listed and a six month total line related to each WUC.

a. For aircraft, AGM028 and AGM069A monthly line entries on all numeric system WUCs, the operating time will be: flying time X inventory ratio.

> NOTE: Inventory ratio is B4 special inventory divided by AFM 65-110 inventory.

b. For aircraft engine reports (identified as specified in preceding paragraph 1h), the monthly line entries will be: aircraft flying time X the number of installed engines X inventory ratio.

c. For ground and air launched missiles, the monthly line entries will be: AFM 65-110 inventory (if available) X 30 days X inventory ratio; or B4 inventory X 30 days (if AFM 65-110 inventory is not available).

d. For all other equipment plus alpha system WUCs in missile master records, the monthly line entries will be: B4 inventory X 30 days.

e. For the six months total line entries, the operating time will conform to the following criteria:

(1) When six months of maintenance data is displayed for WUCs the six month line entry is a total of the six months operating time.

(2) When less than six months of maintenance data is displayed for WUCs, but the WUCs have reported actions which pre-date the current six month period, the six month line entry is a total of the six months operating time.

(3) When less than six months of reported data are available in the AFLC computer history file for WUCs, the six month line entry is the total operating time starting with operating time for the first month that the work unit code was added to the B4 master record.

> NOTE: The six months total operating time will correlate with the monthly line entries only when Paragraphs 8e(1) and (3) apply. The condition of paragraph 8e(2) is controlled by an effective date for the work unit code contained within the computer.

9. Abo - This is the number of aborts or mission failures reported for the on equipment work unit code for the months indicated. Only the following when discovered codes/end piece of equipment combinations are used to determine aborts: (cards with zero units are excluded)

Code	Definition
FOR AIRCRAFT, MOBILE TRAINING SETS, AIR LAUNCHED MISSILES, AND AIRCRAFT ENGINES	
A	Before Flight-Abort
C	In Flight-Abort

FOR GROUND LAUNCHED MISSILES

A	Countdown-Abort
C	Simulated Countdown-Abort
H	Ground Alert/Operationally Ready-Degraded
P	Functional/Operational Check-Result Bad

FOR REGISTERED AGE, TRAINERS, SIMULATORS, MISSILE CLASS 1 TRAINERS, GROUND C-E-M, AND L SYSTEMS

C	During Equipment Operation/ Caused Equipment Downtime

FOR MUNITIONS

C	During Operation

In addition, all How Malfunction Codes (except No Defect and Invalid Codes) and the following Action Taken Codes are used to test reported actions for qualification as an abort:

Code	Description
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware, and Soft Goods
K	Calibrated - Adjustment Required
L	Adjust or Reset
P	Removed
R	Remove and Replace
Z	Corrosion Treatment

10. Occurrences - This is the number of occurrences reported for the current month and each of the preceding five months against the listed work unit code. The accumulation is based on an occurrence (a count of one (1) per card) rather than a unit count. Cards with zero (0) units completed are excluded from this count. Also, only selected how mal and action taken combinations are considered. These occurrences are determined and listed as the following types:

a. Fail - This column displays failure occurrences.

(1) The computer definition describing a failure occurrence at the five position work unit code level is:

(a) Any Type 1 how malfunction code in combination with an action taken code of F, K, L, or Z.

(b) Any Type 1 how malfunction code in combination with an action taken code of P or R provided the removed item was not found serviceable ("B" action taken code) at the bench check station.

(2) The computer definition describing a failure occurrence and the accumulation of failures for use in displaying data at the system/subsystem level (74XXX/741XX) is the same as paragraph (1) above plus "G" action taken codes reported in combination with any Type 1 how malfunction code. Accumulation of failure occurrences as related to "G" action taken code for display at system/subsystem level (74XXX/741XX) is further limited to a count of one (1) per job control number after first qualifying as an occurrence.

b. Oth Mal - This column displays other malfunction occurrences which are defined as:

(1) Any Type 1 how malfunction code in combination with an action taken code of "G" at the five position work unit code level. The other malfunction occurrence accumulation and display at the system/subsystem level (74XXX/741XX) is not a direct accumulation of other malfunction occurrences of each WUC within the system/subsystem because at this level a part of the other malfunction occurrences are displayed as failures. See paragraph a(2) above.

(2) Type 2 How Mal Code and all action taken codes listed in paragraph 9 above.

c. Total - These are the total occurrences reported under all valid How Malfunction Codes (Types 1, 2, and 6) and all "action taken" codes listed in Paragraph 9 above plus E, H, J, S, V, and X.

NOTE: A listing of the specific how malfunction codes in each of these types is contained in AFLCM 66-15, Chapter 5, Section B.

11. MTB - This is the mean time between failure or maintenance as indicated by the following two sub-headings:

a. FAIL - The mean time between failure (MTBF) is computed each month on the work unit code unless there are no reported failures for any three consecutive months within time span covered by this report. For each monthly MTBF computation, a three month accumulation of failures and operating time (flying hours or days) are used, i.e., current and previous two months. Following is the formula employed:

$$\text{MTBF} = \frac{\text{Operating Time X Use Factor X QPA}}{\text{Quantity of Failure Occurrences}} \times \frac{\text{Special Inventory}}{\text{AFM 65-110 Inventory}}$$

where:

Operating time = a three month (current and previous two months) accumulation of flying hours or days whichever applies. See paragraph 8.

Use Factor = Ratio of item operating time to flying hours. Normally 1.00.

QPA = Number of identical items reportable under one work unit code.

Quantity of Failures = a three month (current and previous two months) accumulation of failure occurrences.

Special Inventory = See Paragraph 7b.

AFM 65-110 Inventory = See Paragraph 7a.

b. MAINT - The mean time between maintenance (MTBM) is computed each month on the work unit code using the same formula and criteria as for MTBF with one exception, i.e., quantity of total occurrences is substituted for quantity of failure occurrences. See Paragraph 10C.

12. Manhours - This is the number of manhours (whole labor hours) reported on the work unit code for the months listed. These manhours are listed as follows:

a. Sched - These are the manhours spent as scheduled maintenance and reported by the following Type Maintenance Codes as listed in AFM 300-4, Volume XI:

(1) For aircraft (including installed engines), drones, and related mobile training sets and resident training equipment:

Type Maint.	Description
A	Service
C	Basic Postflight or Thruflight Inspection
D	Preflight Inspection
E	Hourly Postflight or Minor Inspection
H	Home Station Check
J	Calibration of Operational Equipment
M	Interior Refurbishment
P	Periodic, Phased, or Major Inspection
Q	Forward Support Spares
R	Depot Maintenance
T	Time Compliance Technical Order

(2) For engine shop work:

Type Maint.	Description
A	Gas Turbine Engine Scheduling Inspection
C	Gas Turbine Engine Build-up
D	Gas Turbine Engine Teardown
H	Reciprocating Engine Build-up
K	Reciprocating Engine Teardown
Q	Forward Support Spares
T	Time Compliance Technical Orders

(3) For Air Launched Missiles, related AGE and training Equipment:

Type Maint.	Description
A	Service
C	Basic Postflight
D	Preflight or Scheduled Inspection
E	Hourly Postflight
J	Calibration of Operational Equipment
P	Periodic or Phased Inspection
R	Depot Maintenance
T	Time Compliance Technical Order

(4) For Ground Launched Missiles, related AGE, CEM and Training Equipment:

Type Maint.	Description
A	Service
D	Scheduled Inspection
F	Scheduled Ground Launched Missile Maintenance
J	Calibration of Operational Equipment
P	Periodic or Phased Inspection
R	Depot Maintenance
T	Time Compliance Technical Order

(5) For Common AGE:

Type Maint.	Description
A	Service
D	Scheduled Inspection
J	Calibration of Operational Equipment
P	Periodic or Phased Inspection
Q	Forward Support Spares
R	Depot Maintenance
T	Time Compliance Technical Order

(6) For Class I Trainers:

Type Maint.	Description
A	Service
D	Scheduled Inspection
J	Calibration of Operational Equipment
P	Periodic or Phased Inspection
R	Depot Maintenance
T	Time Compliance Technical Order

(7) For ground communications-electronic-meteorological equipment:

Type Maint.	Description
A	Service
D	Scheduled Inspection Daily/Shift
F	Scheduled Inspection Phased/Periodic
J	Calibration of Operational Equipment
P	Scheduled Maintenance
R	Depot Maintenance
T	Time Compliance Technical Order

(8) For Munitions:

Type Maint.	Description
A	Scheduled Maintenance
J	Calibration of Operational Equipment
R	Depot Maintenance
T	Time Compliance Technical Order

b. Unsch - These are the manhours spent as unscheduled maintenance and reported by the following Type Maintenance Codes as listed in AFM 300-4, Volume XI. For all of the categories of equipment listed in Paragraph 12a above, the following codes as they apply are considered to be unscheduled maintenance:

Type Maint.	Description
B	Unscheduled Maintenance
E	Unscheduled Test Cell Operation
H	Emergency On - site Repair
L	Reciprocating Engine Intermediate Maintenance
S	Special Inspection
W	Minor Maintenance on Removed Engines
Y	Aircraft Transient Maintenance

c. Shop - These are the manhours expended by shop maintenance personnel in checking/repairing items removed from the end article and which are charged to this Work Unit Code. These are "Off" equipment manhours and include Programmed Depot Maintenance (PDM) but exclude depot component overhaul.

13. Shop Action Units - This is a unit count of "off" equipment actions related to the Work Unit Code. The following three categories of shop actions are identified:

a. Repr - This column is a unit count of "off" equipment actions which have been assigned Action Taken Codes A, F, G, K, L, V, or Z.

b. Condm - This column is a unit count of "off" equipment actions which have been assigned Action Taken Code 9.

c. NRTS - This column is a unit count of "off" equipment actions which have been assigned Action Taken Codes 1 through 8.

NOTE: The above columns include Programmed Depot Maintenance (PDM) but exclude depot component overhaul.

14. Totals - For each work unit code a six months total of operating time; aborts (or mission failures); failure, other malfunctions and total occurrences; six months MTBF; six months MTBM; scheduled, unscheduled, and shop manhours; and repaired, condemned, and NRTS units are listed.

15. Subsystem Summary - At the end of each subsystem listing (first three characters of the work unit code suffixed with two X's), a listing of the data for the current month, each of the preceding five months, and a grand total is given, provided there was data on more than one work unit code within the subsystem.

16. System Summary - At the end of each system listing (first two characters of the work unit code suffixed with three X'S), a listing of the data for the current month, each of the preceding five months, and a grand total is given, provided there was data on more than one work unit code within the subsystem or system.

COMMENTS: All comments regarding the contents, use, and distribution of this report should be submitted through command channels to Hq AFLC, MMOMA, Wright-Patterson AFB, Ohio 45433.

LOGLO GSERIES CEM — MAINTENANCE ACTIONS, MANHOURS, AND ABORTS BY WORK UNIT CODE — PERIOD ENDING 73 NOV 30 — FORMERLY 6-LOG-K261 — PCN C05685006 — RCS LOG-MMO<AR>7170

WUC	NOUN	MONTH	INV	OP TIME	ABO	OCCURRENCES FAIL	OCCURRENCES OTH/MAL	OCCURRENCES TOT	MTB FAIL	MTB MAINT	MANHOURS SCHED	MANHOURS UNSCH	MANHOURS SHOP	SHOP ACTION UNITS REPR	SHOP ACTION UNITS CONDM	SHOP ACTION UNITS NRTS
AEHBO	RCVR	NOV*	6 X	180		1		2	540	270		2				
CAT	QPA FAIL LMT	OCT	6 X	180									1	1		
C	1 1	JUL	6 X	180					540	540						
		JUN	6 X	180					540	270						
		TOTALS		1080		1		2	1080	540		2	1	1		
AEHCO	RCVR	NOV	5 X	150					450	450						
CAT	QPA FAIL LMT	OCT*	5 X	150		1		1	450	450		5	18	1		
C	1 1	SEP	5 X	150					450	225						
		AUG	5 X	150					450	225						
		JUL*	5 X	150		1	1	2	450	150		1	5	1		
		JUN	5 X	150						450			16	1		1
		TOTALS		900		2	1	3	450	300		6	39	3		1
AEHDO	RCVR	NOV*	420 X	12600		33	5	41	525	338	18	67	188	23		3
CAT	QPA FAIL LMT	OCT	420 X	12600		14	7	28	600	293	14	62	195	30		1
C	1 21	SEP*	420 X	12600		25	9	43	518	270	5	81	179	24		1
		AUG*	420 X	12600		24	11	58	425	233	4	123	167	23		
		JUL*	420 X	12600		24	9	39	360	214	4	76	117	15		
		JUN*	420 X	12600		41	12	65	255	164	4	132	152	18		
		TOTALS		75600		161	53	274	470	276	49	541	998	133		5
AEHEO	RCVR	NOV	2 X	60												
CAT	QPA FAIL LMT	OCT	2 X	60					180	180						
C	1 1	SEP	2 X	60					180	90						
		AUG*	2 X	60		1		1	180	90		2	3	1		
		JUL	2 X	60				1	180	90		1	1	1		
		JUN	2 X	60					180	180						
		TOTALS		360		1		2	360	180		3	4	2		
AEHXX	SUB SYSTEM SUMMARY	NOV				37	2	43			18	70	194	24		3
CAT	QPA FAIL LMT	OCT				21	2	30			14	70	215	32		1
	1 NO LMT	SEP				31	4	44			5	82	179	24		1
XX		AUG				29	7	59			4	125	170	24		
XX		JUL				28	7	42			4	78	123	17		
XX		JUN				48	5	65			4	132	168	19		1
XX		TOTALS				194	27	283			49	557	1049	140		6
AEMAO	SIG GEN	NOV*	30 X	900		2		2	900	675	1	2				
CAT	QPA FAIL LMT	OCT	30 X	900		1		1	1350	900	1	1				
C	1 2	SEP	30 X	900				1	1350	675		1				
		AUG	30 X	900		1		1	1350	900		2	3			
		JUL	30 X	900		1		2	900	675	3		21	3		
		JUN	30 X	900					1350	1350			5			
		TOTALS		5400		5		7	1080	771	5	6	29	3		

RCS: LOG-MMO(AR)7173
PCN: D056B5010

APPENDIX 4-5D
ATTACHMENT NO. 2

Formerly RCS: 10-LOG-K261

1 July 1970

FOREWORD

TITLE: Inspection Interval

SOURCE: AFM 66-1, T.O. 00-20-2 series, "on" equipment and "off" equipment work reported on AFTO Form 349.

FREQUENCY: On demand whenever a Maintenance Manager Review conference is scheduled for the end article.

CONTENTS: This report reflects the quantity of "on" equipment maintenance actions reported by field activities. The period of reported actions can be varied from one (1) to twelve (12) months at the discretion of the requester and includes all work unit codes in the end article master record except Support General. The data is sequenced by work unit code and reflects the quantity of malfunctions by How Malfunction and Action Taken code combinations for a spread by when discovered code.

USE: This arrangement of data permits a comparison of when discrepancies are occurring in relation to when inspection of the item is required. This indicates whether the prescribed inspection is effective, whether its interval has been appropriately established or whether its scope has been adequately or accurately prescribed by statement of the inspection requirement. Detailed instructions for using this report are contained in AFLCM 66-20, Chapter 6.

DESCRIPTION:

1. Responsible Logistic Management Organization and End Article Identification. In the upper left-hand corner of the report the System Manager Air Materiel Area and end article are identified. Also, the equipment type designator will be shown as well as separate operational areas of special interest, such as "SAC" for ground launched missile direct support real property installed equipment. Equipment identification will be reflected as follows:

a. For aircraft and related mobile training units, the modified mission symbol (if assigned), basic mission and type symbol, design number and series (if master record is built for specific series) is specified. For example, F100, T039,

AFLC-WPAFB-JUL 70-950

T038T or KC135A. The type designator identifying this equipment printed on the report is "ACF".

b. For air or ground launched missiles, the launch environment symbol, mission symbol, type symbol, design number and series symbol is specified. For example, AIM004A or LGM030B. The type designator identifying these equipments is "GLM" for ground and "ALM" for air.

c. For registered aerospace ground equipment, the Federal Supply Class (FSC) and FIIN designator portion of the registration number is specified. For example, 1730DAE. The type designator identifying this equipment is "AGE".

d. For trainers and simulators, the last two characters of the equipment classification code and first two characters of the end article work unit code identifying the type is specified. For example, RADF000. The type designator identifying this equipment is "TRS".

e. For Missile Class 1 trainers, the type, model and series and an Alpha T are specified. For example, LGM30BT. The type designator identifying this equipment is "TRS".

f. For ground communications-electronic-meteorological equipment (except L systems), the type, design number and series (if the master record is built for a specific series) is specified. For example, FPS006A. The type designator identifying this equipment is "CEM".

g. For ground communications L systems, the designation, and the three-character equipment classification code is specified. For example, 466L6A1. The type designator identifying this equipment is "CEM".

h. For aircraft engines, the basic engine type and model, and the last two characters of the equipment classification code for the aircraft in which the engine is installed is specified. For example, TF033BP. The type designator identifying this equipment is "ENG".

i. For munitions, a W to indicate munitions and the first three characters of the work unit code identifying the munitions item. For example, WRV500. The type designator identifying this type of equipment is "WEP".

j. For ground launched missile real property installed equipment, the letters RPIE, then the three-character equipment classification code designating the RPIE. For example, RPIE at Little Rock is specified as RPIERRT. The type designator identifying this equipment is "RPE".

2. Period Ending - This is the last day of the report month. The month indicates the most current effective period of data reflected in this report--normally twelve months unless otherwise specified by the requester.

3. Work Unit Code (WUC) Identification - This is the work unit code number and noun(s) for which experience data is portrayed.

4. -6 Inspection - These are the sections of the end article inspection requirements manual in which scheduled inspections are prescribed for the specific work unit code.

5. Type - This is a numeric 1 or 2 indicating the general type of how malfunctioned code. (Type 6 No Defect codes are not listed). These types are as follows with the how malfunctioned codes listed that comprise each type:

Type Number	Description
1	Failure. These indicate failure type conditions; i.e., the cessation of ability of an end item to meet the minimum specified performance.
2	Other Malfunctions. These indicate neglect, default or a failure to do what is right or an induced condition. For example, improper or faulty maintenance, battle damage, etc.

NOTE: A listing of the specific how malfunctioned codes in each of these types is contained in AFLCM 66-15, Chapter 5, Section B.

6. How Mal - This is the numeric how malfunctioned code and nouns describing the code for which the line print is entered.

7. Act - These are the action taken codes for each how malfunctioned code listed. Only the following codes will be listed, where applicable:

Code	Description
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Softgoods
J	Calibrated - No Adjustment Required
K	Calibrated - Adjustment Required
L	Adjust or Reset
P	Removed
R	Remove and Replace
S	Remove and Reinstall
Z	Corrosion Treatment

8. Units - This is the total number of units completed for the action listed.

9. Hours - This is the total number of "on" equipment labor hours expended on the actions included in this report.

10. When Discovered - This is the number of units reported under the specified when discovered code. The following is a description of the when discovered codes:

For Aircraft, Drones and Air Launched Missiles

A - Before Flight - Abort - Air Crew
B - Before Flight - No Abort - Air Crew
C - In-Flight - Abort
D - In-Flight - No Abort/During AGE Operation
E - After Flight - Air Crew
F - Between Flights - Ground Crew
G - Ground Alert Not Degraded/AIM 270 Day Checkout
H - Basic Post-Flight or Thru-Flight Inspection (whichever is applicable)/AIM 30-Day Checkout
J - Preflight Inspection
K - Hourly Postflight Inspection/Minor Inspection - Isochronal/AIM 120-Day Checkout/AGM Combined Systems Checkout
M - Periodic/Phased/Major Inspection - Isochronal (whichever is applicable)/AIM 180-Day Checkout

N - Ground Alert - Degraded/AIM 360-Day Checkout
P - Functional Check Flight
Q - Special Inspection
3 - Home Station Check - Isochronal

Other - This includes the following:

L - During Training or Maintenance on Equipment Utilized in a Training Environment
R - Quality Control Check
S - Depot Level Maintenance
T - During Scheduled Calibration
U - Non-destructive Testing
V - During Unscheduled Calibration
W - In-Shop Repair and/or Disassembly for Maintenance
X - Engine Test Stand Operation
Y - Upon Receipt or Withdrawal from Supply Stocks
Z - AGM Underwing Checked Discovered by MADREC
2 - During Operation of Malfunction and Recording Equipment
4 - Corrosion Control Inspection

<u>For Ground Launched Missiles, Including Ground C-E-M and AGE Used in Direct Support</u>

A - Countdown - Abort
B - Countdown - No Abort
C - Simulated Countdown - Abort
D - Simulated Countdown - No Abort
E - Post Launch Refurbish Maintenance
F - *Unscheduled Maintenance*
G - Ground Alert/Operationally Ready Not Degraded
H - Ground Alert/Operationally Ready Degraded
J - Daily Inspection/Shift Verification
M - Scheduled Inspection
N - Functional/Operation Check - Result Good
P - Functional/Operation Check - Result Bad
Q - Special Inspection

Other - Includes the following:

L - During Training or Maintenance on Equipment Utilized in a Training Environment
R - Quality Control Check
S - Depot Level Maintenance
T - During Scheduled Calibration
U - Non-destructive Testing
V - During Unscheduled Calibration

W - In-Shop Repair and/or Disassembly for Maintenance
X - Engine Test Stand Operation
Y - Upon Receipt or Withdrawal from Supply Stocks

For Ground C-E-M, Trainers and AGE

C - During Equipment Operation/Caused Equipment Down Time
D - During Equipment Operation/Did Not Cause Equipment Down Time
F - Unscheduled Maintenance
G - Performance Routine - Type 1 PMI
H - Scheduled Inspection - CEM - Phased or Periodic
J - Daily Inspection/Shift Verification
K - Scheduled Inspection CEM Type 3 PMI
M - Scheduled Inspection (Not CEM)
P - Operational Systems Check
Q - Special Inspection

Other - Includes the following:

L - During Training or Maintenance on Equipment Utilized in a Training Environment
R - Quality Control Check
S - Depot Level Maintenance
T - During Scheduled Calibration
U - Non-destructive Testing
V - During Unscheduled Calibration
W - In-Shop Repair and/or Disassembly for Maintenance
Y - Upon Receipt or Withdrawal From Supply Stocks
Z - During Initial Equipment Installation

For Conventional and Nuclear Munitions

A - Receiving Inspection (General Inspection and Tests)
B - Shipping Inspection (General Inspection and Tests)
C - During Operation
D - Reacceptance Inspection (General Inspection and Tests)
E - Storage Inspection
F - Unscheduled Inspection or Maintenance
G - Alert
H - Post Load
J - Daily Inspection
K - Before Load
M - Scheduled Inspection/Maintenance
N - During Load
P - Functional/Operational Check

Q - Special Inspection

Other - Includes the following:

L - During Training or Maintenance on Equipment Used in a Training Environment
R - Quality Control Check
S - Depot Level Maintenance
T - During Scheduled Calibration
U - Non-destructive Testing
V - During Unscheduled Calibration
W - In Shop Repair and/or Disassembly for Maintenance
X - Mating/Demating (Warhead/RV, Weapons/Clip-in, Basic Assembly/Shape Components)
Y - Upon Receipt or Withdrawal From Supply Stocks

11. WUC Total - This is the total units, total hours and total units under each specific when discovered code for the work unit code.

12. Total Whole Hours - This is the total labor hours expended under each specific when discovered code.

13. % of Total Hours - This is the percent of all labor hours reported against the work unit code that apply to the specified when discovered code.

14. Action Taken - This is a summary listing of specific action taken codes that represent true maintenance actions. Action Taken Code B is displayed so that the quantity of Bench Checked - serviceable items can be determined for the work unit code. These are listed as follows:

Code	Description
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Softgoods
K	Calibrated - Adjustment Required
L	Adjust or Reset
P	Removed
R	Remove and Replace
S	Remove and Reinstall
Z	Corrosion Treatment
B	Bench Checked - Serviceable (No Repair Required)

15. Units Completed - This is the number of units completed for each of the action taken codes that are listed.

16. % of Units Completed - This is the percent of all units completed on the work unit code that applies to the specified action taken code.

17. Total Whole Hours - This is the number of whole labor hours expended on the action taken code specified.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted through command channels to AFLC (MMOMA) , Wright-Patterson AFB, Ohio 45433.

WRAMA
C141A ACF

INSPECTION INTERVAL
PERIOD ENDING 70 JUN 30

14FBJ MOTR ELEC PTH TRIM

TYPE	HOW MAL	ACT	UNITS	HOURS	WHEN DISCOVERED A	BD	E	C	F	G3	-6 INSPECTION H	J	K	M	N	P	Q	OTHER
1 242	FAIL TO OPER	P	2	12.2	1	1												
		R	1	3.5		1												
1 374	INTERNAL FAIL	R	1	11.0					1									
	WUC TOT		14	60.0	1	2			1									
	TOTAL WHOLE HOURS				4	17			32					6				1
	% OF TOTAL HOURS				7	28			54					10				2

	ACTION TAKEN F	G	K	L	P	R	S	Z	B
UNITS COMPLETED		3			3	8			
% OF UNITS COMPLETED		21			21	57			
TOTAL WHOLE HOURS		6			18	36			

4-5D-23/4-5D-24

RCS: LOG-MMO(AR)7174
PCN: D056B5011

1 May 1968

FOREWORD

TITLE: Inspection Occurrence Interval

SOURCE: AFM 66-1, T.O. 00-20-2 series, "on" equipment and "off" equipment work reported on AFTO Form 349.

FREQUENCY: On demand when an Improved Maintenance Program (IMP) review is scheduled.

RCS NO.: 11-LOG-K261 (specified in upper right-hand corner of report).

CONTENTS: This report, prepared in work unit code sequence, contains maintenance action quantity information, labor hour data and inspection cross reference information for the period requested (one (1) to twelve (12) months).

USE: The data is used to pinpoint low quantity maintenance action items for potential deletion of the corresponding inspection requirements; and to high quantity action items for potential increases in frequency or scope of inspection requirements. Detailed analysis procedures are contained in AFLCM 66-2, Part Six, Chapter 6.

DESCRIPTION:

1. Responsible logistic management organization and end article identification. In the upper left-hand corner of the report the System Manager Air Materiel Area and end article are identified. Also, the equipment type designator will be shown as well as separate operational areas of special interest, such as "SEA ONLY" for aircraft and missiles operated in Southeast Asia or "SAC" for ground launched missile direct support real property installed equipment. Equipment identification will be reflected as follows:

a. For aircraft and related mobile training units, the modified mission symbol (if assigned), basic mission and type symbol, design number and series (if master record is built for specific series) is specified. For example, F100, T039, T038T or KC135A. The type designator identifying this equipment printed on the report is "ACF".

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b. For air or ground launched missiles, the launch environment symbol, mission symbol, type symbol, design number and series symbol is specified. For example, AIM004A or LGM030B. The type designator identifying these equipments is "GLM" for ground and "ALM" for air.

c. For registered aerospace ground equipment, the Federal Supply Class (FSC) and FIIN designator portion of the registration number is specified. For example, 1730DAE. The type designator identifying this equipment is "AGE".

d. For trainers and simulators, the work order suffix and first two characters of the work unit code identifying the type are specified. For example, RADF000. The type designator identifying this equipment is "TRS".

e. For missile Class 1 trainers, the type, model and series and an alpha T are specified. For example, HGM25CT. The type designator identifying this equipment is "TRS".

f. For ground communications-electronic-meteorological equipment (except L systems), the type, design number and series (if the master record is built for a specific series) is specified. For example, FPS006A. The type designator identifying this equipment is "CEM".

g. For ground communications L systems, the designation, first digit of work order prefix, and type of equipment work order suffix is specified. For example, 466L6A1. The type designator identifying this equipment is "CEM".

h. For aircraft engines, the basic engine type and model and the two digit work order suffix for the aircraft in which the engine is installed is specified. For example, TF033BP. The type designator identifying this equipment is "ENG".

i. For munitions, a W to indicate munitions and the first three characters of the work unit code identifying the munitions. For example, W TE400. The type designator identifying this type of equipment is "WEP".

j. For ground launched missile real property installed equipment, the words RPIE, then R which is the first character of the work order prefix, and then the work order suffix for the RPIE. For example, RPIE on the LGM-30A is specified as RPIERRT. The type designator identifying this equipment is "RPE".

2. Period Ending - This is the last day of the report month. This indicates the most current effective period of data reflected in this report.

3. Wk Unit Code - This is a listing of all work unit codes in the End Article Master Record on which maintenance actions were reported.

4. WUC Noun - This is the noun(s) describing the work unit code.

5. True Meantime - This is the average operating hours between true maintenance actions on the work unit code. The true meantime is computed as follows:

$$\frac{\text{Quantity Per Application Times Operating Time}}{\text{True Maintenance Actions}}$$

NOTE: For articles, other than aircraft and engines, a constant of 30 days is used as operating time. With this constant, it is possible to compute a meantime between failure and maintenance indicator for these equipments. Depending on the type of equipment, the following method is used:

a. For aircraft and aircraft engines the AFM 65-110 operating time data is used.

b. For ground launched missile work unit codes only (not the related AGE or RPIE), the inventory from AFM 65-110 data is used with the 30 day constant.

c. For all other equipments (ground launched missile AGE and RPIE; AGE; Air Ground C-E-M; and Munitions), computation is made if an inventory is inserted by the AMA in Columns 47-50 of the B4 master record using the 30 day constant.

6. True Action - These are the true maintenance actions reported under the following action taken codes and all how malfunctioned codes except the Type 6 No Defect and Invalid codes:

Code	Description
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Soft Goods
K	Calibrated - Adjustment Required
L	Adjust or Reset

Code	Description
P	Removed
R	Remove and Replace
S	Remove and Reinstall
Z	Corrosion Treatment

7. Bench Check Serviceable - This is the number of actions reported as true maintenance that were subsequently reported as Action Taken Code B - Bench Checked - Serviceable, No Repair Required.

8. True L/Hours - This is the total labor hours expended on the true maintenance actions included in the report. "ON" EQUIPMENT

9. Average L/Hours - This is the average number of labor hours spent on the true maintenance actions. This is computed by dividing the true labor hours by true actions. "ON" EQUIPMENT

10. -6 Inspection Reference - These are codes that identify the type of inspections at which inspections of the work unit code is prescribed by the end article inspection manual or work cards.

11. System Total - This is a total of true actions and true labor hours for each system (first two digits of the work unit code) in the end article. "ON" EQUIPMENT

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted through command channels to AFLC (MCMS), Wright-Patterson AFB, Ohio, 45433.

WRAMA
C141A ACF

FOR OFFICIAL USE ONLY
INSPECTION OCCURRENCE INTERVAL
PERIOD ENDING 31 AUG 67

WK UNIT CODE	WUC NOUN	TRUE MEANTIME	TRUE ACTION	BENCH CHECK SERVICEABLE	TRUE L/HOURS	AVERAGE L/HOURS	-6 INSPECTION REFERENCE
13BCA	SWITCH-NLG	9994	11		32.2	2.9	1/3/4/ / / /
13BCB	SWITCH-NLG NOT LOCK	6108	18		71.7	4.0	1/3/4/ / / /
13BCC	WIRING	149094	73		125.0	1.7	1/3/4/ / / /

RCS: LOG-MMO(M)7178
PCN: D056B5015

APPENDIX 4-5D
ATTACHMENT NO. 4

Formerly RCS: 15-LOG-K261

1 January 1972

FOREWORD

TITLE: Materiel Safety Deficiency Report.

SOURCE: Accident/Incident data reported in accordance with AFR 127-4; Emergency Unsatisfactory Materiel Reports (EUMR) and Unsatisfactory Materiel Reports (UMR) reported in accordance with T.O. 00-35D-54; AFM 66-1; AFM 65-110; T.O. 00-20-2 series; "on" equipment work reported on AFTO Form 349.

FREQUENCY: Monthly when an accident, incident, EUMR or UMR (AIE) was reported on a work unit code (WUC) during the last twelve months.

CONTENTS: This report provides a twelve month summary of accidents, incidents, EUMRs, UMRs and AFM 66-1 maintenance data history for WUCs on aircraft, missiles and aircraft engines.

USE: This report is used by Headquarters AFLC, Major Air Commands and System Manager, Air Materiel Areas, to identify WUCs which have been reported with adverse safety characteristics. It is also used to assess the impact of individual WUCs on overall safety of the end article.

DESCRIPTION:

Part I - AFM 66-1 and AFM 65-110 Data

1. Responsible logistic management organization and end article identification. In upper left-hand corner of report, System Manager, Air Materiel Area and end article are identified. Also equipment type designator is shown. Equipment identification will be reflected as follows:

a. For aircraft, modified mission symbol (if assigned), basic mission and type symbol, design number and series symbol is specified. For example, F-111A, RF-4C, etc. Type designator identifying this equipment printed on report is "ACF."

b. For air or ground launched missiles, launch environment symbol, mission symbol, type symbol, design number and series symbol is specified. For example, AIM004A or LGM030B. Type designator identifying these items is "GIM" for ground and "AIM" for air.

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c. For aircraft engines, basic engine type and model and two digit work order suffix for aircraft in which engine is installed is specified. For example, TF033BP. Type designator identifying this is "ENG."

2. Period Ending - This is the last day of report month. Month indicates most current effective period of data reflected in this report.

3. Curr Mo Op Time (Operating Time) - This is the total fleet time that end article was operated for the month listed. For aircraft and aircraft engines, this information is obtained from Standard Aerospace Vehicle and Equipment Status Reports submitted in accordance with AFM 65-110.

a. Operating time for engines is computed by extending the aircraft flying ; hours by the number of engines installed.

b. Operating time for missiles is computed using the following formula and is expressed in missile days per month:

INVENTORY X 30 DAYS = MISSILE DAYS PER MONTH

4. Curr Mo Inv - This is inventory of end article and is furnished for information only. Inventory is entered under the following criteria:

a. Computed Inventory - This is the fleet size computed on those aerospace vehicles for which Standard Aerospace Vehicle and Equipment Status Data is submitted in accordance with AFM 65-110.

b. Operating Engine Inventory is obtained from the AFM 65-110 system by extending aircraft inventory by the nimber of engines installed.

5. WUC - This is the complete five character WUC on which accident, incident, EUMR and UMR information has been reported during the past twleve months.

6. Noun - This is noun(s) describing WUC as listed in applicable -06 code manual.

7. Cat Ind - This is a category indicator assigned by the System Manager to WUC to specify one of the following:

Category Indicator	Description
A	Safety of Flight/Operation. This identifies WUCs, which upon failure or malfunction, would present a safety hazard to end piece of equipment or operating personnel.
B	Mission Accomplishment. This identifies WUCs, which upon failure or malfunction, would adversely affect mission accomplishment.
C	General Logistics. This includes WUCs not assigned Category A or B that will be evaluated from a hi-value, reliability, critical support, and normal performance standpoint.

8. QPA - This is the quantity per application (quantity of like items) of the WUC installed on the specified weapon system.

9. No. ;Mon - This item will show the actual number of months used for "12 Mon" 66-1 summaries (Items 12, 13, 15, 18, 20 and 21). For example, when a new WUC has been in the B-4 master record for only seven months, the number 7 will appear in this column. In this example, 12 month summaries will actually be 7 month summaries.

10. CURR 66-1 FAILS - This is the number of failure occurrences reported for current month. The accumulation is based on an occurrence (a count of one per card) rather than a unit count. Failure occurrences are determined by the following "how mal" and "action taken" combinations:

a. The computer definition describing a failure occurrence at the five position work unit code level is:

(1) Any Type 1 how malfunction code in combination with an action taken code of F, K, L or Z.

(2) Any Type 1 how malfunction code in combination with an action taken code of P, R, or S provided the removed item was not found serviceable ("B" action taken code) at the bench check station.

If matching "off" equipment card contains a "B" action taken code, occurrence is not considered a failure.

NOTE: Type 1 failure codes are listed in AFLCM 66-15, Chapter 5, Section B.

11. CURR FAIL RATE - This is the current month failure occurrence rate per thousand (1,000) hours operating time, computed as follows:

$$\text{CURR FAIL RATE} = \frac{\text{CURRENT FAILURE OCCURRENCES X 1000}}{\text{TOTAL CURRENT OPERATING TIME*}}$$

*NOTE: See Paragraph 3.

For aircraft, the FAIL RATE would read "X" 66-1 failures per thousand (1,000) flying hours.

12. 12 MON 66-1 FAILS - This is the number of failure occurrences reported over the past twelve months. (See Paragraph 10).

13. 12 MON FAIL RATE - This is the twelve month failure occurrence rate per thousand (1,000) hours operating time computed as follows:

$$\text{12 MON FAIL RATE} = \frac{\text{12 MON FAIL OCCURRENCES X 1000}}{\text{12 MON TOTAL OPERATING TIME*}}$$

*NOTE: See Paragraph 3.

14. CURR MTBF - This is the calculated mean time between failure for the current month on the WUC. For example, 1987. This is calculated from the following equation:

$$\text{MTBF} = \frac{\text{OP TIME X USE FACTOR (K) X QPA}}{\text{NUMBER OF FAILURES}} \quad \frac{\text{INV IN B-4 MASTER}}{\text{INV REFLECTED BY AFM 65-110}}$$

WHERE: Op Time - The total fleet time that the end article was operated as outlined in Paragraph 3 above.

Use Factor (K) - The ratio of actual use time to operating time (from B-4 Master Record).

QPA - Quantity Per Application (Paragraph 8 above).

Number of Failures - Number of failure occurrences as defined in Paragraph 10 above.

NOTE: The inventory ratio used in the above formula is "one" unless a special inventory has been entered in the B-4 Master Record for the WUC indicating partial fleet application.

15. 12 MON MTBF - This is the 12 month average mean time between failure as calculated in Paragraph 14 using 12 month operating time and 12 month failure occurrence.

16. CURR MTBM - This is the mean time between maintenance on the WUC for the current month. MTBM is computed as follows:

$$\text{MTBM} = \frac{\text{OPERATING TIME X QPA X USE FACTOR}}{\text{TOTAL 66-1 OCCURRENCES}} \times \frac{\text{INV IN B-4 MASTER}}{\text{INV REFLECTED BY AFM 65-110}}$$

NOTE: Total 66-1 occurrences are those reported under all valid How Malfunction Codes (Type 1, 2, and 6) and Action Taken Codes E, F, G, H, J, K, L, P, R, S, V, X, and Z as described in AFM 300-4 Volume XI.

17. 12 MON MTBM - This is the 12 month average mean time between maintenance, computed as above, using 12 month operating time and 12 month total occurrences.

18. FAIL OCC MANHOURS - This is the number of manhours (labor hours) expended on failure occurrences for the listed WUC. Manhours are shown for the current month.

19. 12 MON ABORTS - A and C - This is the total number of "when discovered" Code A and C aborts charged against the specified WUC over the past twelve month period. Only "when discovered" Codes A and C are tabulated.

CODES	DEFINITION
A	Before Flight-Abort-Air Crews
C	In Flight-Abort

NOTE: More than one WUC may be reported for a single abort.

20. 12 MON ABORT RATE - This is the 12 month abort rate per 1000 sorties flown. The rate is the number of A and C aborts charged against the specific WUC divided by the number of sorties flown by the MDS weapon system during the past twelve months. The 12 month abort rate is provided on aircraft and engines only and is calculated as follows:

$$\text{12 MON ABORT RATE} = \frac{\text{NUMBER OF ABORTS X 1000}}{\text{NUMBER OF SORTIES FLOWN}}$$

PART II - Historic and Predicted Trend

1. This section of the report is designed with a twofold purpose: Inform the user of those WUCs which have had an increasing number of 66-1 failure occurrences; and, provide the user with a projection, based upon accumulated data, of future failure occurrences.

2. A statistical analysis is made to determine whether an increasing failure trend exists. Due to fluctuations in the monthly operating time, monthly failure occurrences are analyzed using the common basis of "failures per thousand flying hours" for aircraft and engines, and "failures per thousand missile days" for missiles (see Part I, Paragraphs 3 and 11).

3. All WUCs that meet the criteria for inclusion in this report (see Frequency, Page 1) undergo analysis twice. A trend is computed using the past twelve months 66-1 failure data and another trend is computed using the past three months data. The latter analysis is accomplished to determine whether a recent change in the 12 month trend has occurred.

NOTE: A detailed breakdown of the applied statistics is presented in Appendix 1.

4. When an increasing failure rate does exist, the historic failure data for the last twelve months are printed. If the 12 month trend is increasing, a trend line is projected for six months (PREDICTED DATA/YEAR); if the quarterly trend is increasing, a trend line, based upon the last three months, is projected for four months (PREDICTED DATA/QUARTER). In order to make the projected failure rates more meaningful, statistics are used to compute "Confidence Limits." Because it is impossible to forecast an exact failure rate with any degree of accuracy, a range is established with the Upper Confidence Limit (UCL) above the predicted failure rate and the

Lower Confidence Limit (LCL) below the predicted failure rate. The confidence limits thus qualify the prediction and, based upon the 12 month history, the future failure rate will fall between the Confidence Limits (UCL and LCL) 95 percent of the time. Because of the limited historic data, the three month (quarterly) trend provides only 80 percent confidence within the UCL and LCL.

5. The following terms will be used to define varying situations in the formation of the failure trends:

a. NO INCREASING TREND INDICATED; denotes that the 66-1 failure occurrences were analyzed, but no increasing trend was detected.

b. THE DATA FOR THE LAST YEAR INDICATES AN INCREASING TREND - CAL T IS; printed above the historical failure data when an increasing trend has been detected. An explanation of CAL T follows.

c. THE DATA FOR THE LAST QUARTER HAS CHANGED TO A DECREASING TREND; printed below the historic failure data. Only the six month projection, based upon the 12 month trend, is printed.

d. QUARTERLY TREND IS NOT DIFFERENT THAN TWELVE MONTH TREND; printed when the last quarter trend is still increasing, but does not differ from the twelve month trend.

e. QUARTERLY TREND IS GREATER THAN THE TWELVE MONTH TREND CAL T IS; denotes that current failure rates are increasing faster than the increasing yearly trend. An additional four month projection will be made based upon only the last three months failure rates.

f. THE DATA FOR THE LAST YEAR HAS A DECREASING TREND. THE DATA FOR THE LAST QUARTER NOW INDICATES AN INCREASING TREND - CAL T IS; printed above the historic failure data, denotes the twelve month regression slope was negative and an increasing trend was found only on the data for the last three months. A four month projection will be made based upon only the last three months failure rates.

NOTE: The value CAL T following the increasing trend statements provides an indication as to the extent the trend exceeds the minimum acceptable values. An explanation of these values is presented in paragraph 12, Appendix 1.

g. The data for the last year has an insignificant trend. The data for the last quarter now indicates an increasing trend - CAL T is; same as f above, except that the 12 month regression slope was positive, and insignificant.

6. Emphasis must be placed on the fact that the prediction technique used is intended only as an indicator of trends. It is a means of bringing to the attention of the user those items that may require further action. In most cases no firm conclusions may be drawn without the analysis of other factors. The statistical methods used will thus isolate and present the data for those WUCs requiring a comprehensive analysis.

Part III - Accident/Incident/Unsatisfactory Materiel Reports (AIE)

1. Accidents - This is the number of accidents charged to the specific WUC showing month of occurrence (12 month summary), type of accident, number and cause.

2. Incident - This is the number of incidents charged to the specific WUC showing month of occurrence (12 month summary), type of incident, number and cause.

3. Unsatis factory Materiel Reports - EUMRs = This is the number of UMRs charged to the specific WUC showing month of occurrence (12 month summary), type, number of UMRs reported, total number of items reported on the UMR and cause.

> NOTE: "Items reported on the UMR" is included to show the relationship between number of UMRs submitted and the unit count of defective items actually reported. For example, one UMR may report 14 like itesm found defective.

4. Total - A total of each accident, incident and unsatisfactory report is listed.

5. The following abbreviations will be used in the identification of type occurrence and cause.

TYPE	ABBREVIATION	TYPE	ABBREVIATION
Accidents:		Unsatisfactory Materiel Reports	
Major	MAJOR	Accident EUMR	ACC EUMR
Minor	MINOR	Incident EUMR	INC EUMR
Major Ground	MAJ GROUND	Critical Safety Hazard EUMR	CSH EUMR
Minor Ground	MIN GROUND		
No Damage to Aircraft	NO DAM ACF	Nuclear Safety Hazard EUMR	NUC EUMR
Explosive	EXPLOSIVE	Explosive Safety Hazard EUMR	EXPLO EUMR
Incidents:		Mission Failure EUMR	MF EUMR
Incident	INCIDENT	Routine UMR	ROUTINE UMR
Explosive	EXPLOSIVE		

CAUSE	ABBREVIATION	CAUSE	ABBREVIATION
Pilot	PILOT	Bird Strike	BIRD STRK
Other Crew	OTHER CREW	Design Deficiency	DESIGN DEF
Maintenace	MAINT	Depot/Contractor Maintenance Malpractice	QC-DEPOT
Other Personnel	OTHER PERS	Aircraft Component (Missile)	AC COM-MIS
Materiel Failure	MAT FAIL	Undetermined	UNDET
		Miscellaneous	MISC
Facilities	FACILITIES	Undetermined - Materiel Failure Suspected	UNDET -MFS
Weather	WEATHER		
Foreign Object Damage	FOD	Undetermined - Maintenance Malpractice Suspected	UNDET - MMS
Pilot - Materiel Failure Induced	PILOT-MFI	Materiel Failure - Caused by Corrosion	MF - CORROS
Pilot - Materiel Failure Suspected	PILOT-MFS		
Pilot - Maintenance Malpractice Induced	PILOT-MMI		
Pilot - Maintenance Malpractice Suspected	PILOT-MMS		

NOTE: The causes, Pilot - Materiel Failure/Maintenance Malpractice Induced, are used when the investigator finds primary cause to be pilot factor but the primary contributing cause was a known degraded aircraft capability. The causes: Pilot - Materiel Failure/Maintenance Malpractice Suspected; and Undetermined - Materiel Failure/Maintenance Malpractice Suspected, are used when the investigator finds primary cause to be pilot factor or undetermined but the most probable contributing cause was a degraded aircraft capability.

6. System and MDS Summaries - At the end of each system, e.g. 14XXX, the current and 12 month 66-1 failures, current and 12 month failure rates, the 12 month aborts, and the 12 month abort rate will be the only items summarized of those noted in Part I. A complete AIE mishap report summary will be made, listing the total occurrences by type and cause, on both the system and MDS Summaries.

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Part IV - Summary of Work Unit Code Trends

1. The last page of each MDS will contain a listing of two groups of ten WUCs each. Each group will be proceeded by the statement "OF THE (NUMBER) WUCs INDICATING AN INCREASING TREND FOR THE YEAR/QUARTER, THE FOLLOWING HAVE BEEN RANKED AS THE TEN HIGHEST."

a. The first froup consists of the ten highest ranking WUCs for the year. These are ranked according to the magnitude of their "rate of increase: value.

b. The second group consists of the ten highest ranking WUCs for the current quarter. These include only the WUCs that had an increasing trend significantly different from the yearly trend and are ranked according to the magnitude of their "rate of increase" value.

NOTE: The mathematics used for computing the rate of increase value is in paragraph 13, Appendix 1.

2. The intent of this Summary is to provide a quick reference to those items requiring the most immediate attention.

COMMENTS: All comments regarding contents, use and distribution of this report should be submitted to Materiel Safety Division, Headquarters AFLC (MMES), Wright-Patterson AFB, Ohio 45433.

APPENDIX 1

1. Regression analysis is combined with confidence limits for the regression coefficient b to provide the user with a means of ascertaining whether a relationship exists between 66-1 failure occurrences and time. This is to say, "Does a trend exist, and if so, is the trend statistically significant?"

2. In computing a 12 month linear trend from the failure data, no consideration has been taken for seasonal fluctuations although a three month moving average is applied to the raw data to remove random monthly fluctuations.

$$Y_{(i)} = \frac{F_{(i)} + F_{(i+i)} + F_{(i+2)}}{O_{(i)} + O_{(i+1)} + O_{(i+2)}} \times 1000$$

Where: $Y_{(i)}$ = Moving average failure rate per thousand (hours/days) operating time for period i

$F_{(i)}$ = 66-1 failure occurrences for month i

$O_{(i)}$ = Operating time for month i

i = 1 through 10

3. The fail rate (Y) is the dependent variable while (X), the month, is the independent variable. Using the Markoff Theorem of least squares, it is assumed that the following linear relationship exists:

$$Y_i = A + bX_i$$

Where the parameter A is the Y intercept and b is the slope of the line of regression.

4. According to the Markoff Theorem, the best linear unbiased estimate of A and b will be found by minimizing the quantity.

$$Q = \sum (Y_i - A - bX_i)^2$$

with respect to A and b. This can be performed easily by the use of differential calculus:

$$\frac{dQ}{dA} = -2\sum (Y_i - A - bX_i) = 0$$

$\sum A = nA$ $\qquad nA + b\sum X_i = \sum Y_i \qquad (1)$

$$\frac{dQ}{db} = -2\sum X_i(Y_i - A - bX_i) = 0$$

$$A\sum X_i + b\sum X_i^2 = \sum X_iY_i \qquad (2)$$

5. Equations (1) and (2), when solved simultaneously for A and b, provide the parameters for the least squares line.

$$A = \bar{Y} - b\bar{X}$$

$$b = \frac{n\sum XY - \sum X\sum Y}{n\sum X^2 - (\sum X)^2}$$

6. The regression line will be calculated twice, once using all ten moving average figures, again using only the last three moving averages, thus providing a 12 month regression line and a "last quarter" line of regression.

7. Once the trend line is established, a t value is determined to test for slope and for significance of data (taking into consideration the standard deviation from regression).

8. In order to simplify the mathematics, consider the following:

$$G_{xx} = n\sum X^2 - (\sum X)^2$$

$$G_{yy} = n\sum Y^2 - (\sum Y)^2$$

$$G_{xy} = n\sum XY - \sum X\sum Y$$

Using these forms the equation for b may be written

$$\frac{G_{xy}}{G_{xx}} = b$$

and the equation for calculating the value of t can be expressed thusly:

$$t = \frac{b - B}{Sb} \quad \text{with n-2 degrees of freedom}$$

Where: B = 0 when a test for b + 0 is made on 12 months data and B = b_{10} (the 12 month regression slope) when testing the three month regression for a difference in slope.

$$S_b = \sqrt{\frac{nS^2_{y.x}}{G_{xx}}}$$

and: n = number of periods considered

$$S^2 = \frac{G_{xx}G_{yy} - (G_{xy})^2}{n(n-2)G_{xx}}$$

The square root of $S^2_{y.x}$ is commonly called the "Standard error of estimate" or the "standard deviation from regression."

9. The calculated t value is then compared with the tabular t value for either 8 degrees of freedom with 95 percent confidence (t = 2.306) for the 10 period trend; or one degree of freedom and 80 percent confidence (t = 3.078) for the last quarter trend. A calculated t value greater than the tabular t value indicates a positive slope (not equal to zero) exists and the data grouped about the regression line has enough correlation to be considered "significant." This report is only concerned with increasing failure trends and will not print data on decreasing or "no trend" items.

10. When a significant trend does exist, the final step will be to project failure rates and provide confidence limits for each projection.

11. With a 12 month regression line, sufficient data is available to provide 95 percent confidence limits for six months future projections. For the last quarter regression line, three periods of data make it necessary to lower the confidence limits to 80 percent and project only four months ahead. The following equations provide the upper

confidence limit (UCL) and lower confidence limit (LCL) for each $X_{(i)}$ in the periods $X_{(13)}$ through $X_{(18)}$ and $X_{(13)}$ through $X_{(16)}$. The appropriate n, b and A values would be used, depending upon whether the computation is being made on the 12 month regression ($X_{(13)}$ through $X_{(18)}$) or the three month regression ($X_{(13)}$ through $X_{(16)}$).

$$UCL = A + bX_i + t \times S_{\hat{y}}$$

$$LCL = A + bX_i - t \times S_{\hat{y}}$$

Where: $$S_y = S_{y.x}\sqrt{1 + \frac{1}{n} + \frac{n(X_i - \bar{X})^2}{G_{xx}}}$$

12. As is stated in paragraph 9 above, the calculated t value (cal t) is used to determine if the computed regression line fits the actual data with a given degree of confidence. If, for example, the cal t is greater than 2.306 on the yearly trend, confidence that the trend line fits the data is greater than 95 percent. To provide an insight as to how far the minimums of 2.306 (for the year) and 3.078 (for the quarter) are exceeded, the cal t values are printed following the statement that an increasing trend exists. (Guidelines as to what these values mean are in the following table:

T VALUE TABLE

% Confidence	80	90	95	98	99	99.9
Year Cal t	-	-	2.306	2.896	3.355	5.041
Quarter Cal t	3.078	6.314	12.706	31.821	63.657	636.619

13. The "rate of increase" is used in the ranking of the high ten WUCs to provide for any differences in the rate of failure increase. This is computed by the following formulae:

$$\text{12 Month Trend} - \frac{b_1}{\bar{y}_1} = \text{Rate of Increase}$$

$$\text{Last Quarter Trend} - \frac{b_2 - b_1}{\bar{y}_2} = \text{Rate of Increase}$$

Where:

$$\bar{y}_1 = \frac{\text{12 month's failures}}{12}$$

$$\bar{y}_2 = \frac{\text{5 month's failures}}{5}$$

b_1 = 12 month regression slope

b_2 = Current quarter regression slope

The above formulae are used if and only if $\bar{y}_j \geq 1$. When ten trended items are not obtained by this criterion, the non-ranked trends are reconsidered. These trends are ranked by b_1 value for the year and $b_2 - b_1$ value for the quarter. The ranked trends thus obtained are added to the list and identified by an asterisk(*).

FOR OFFICIAL USE ONLY - SPECIAL HANDLING REQUIRED, SEE AFR 127-4

SOAMA CURR MO MATERIEL SAFETY DEFICIENCY REPORT CURR MO RCS: 15-LOG-K261
F0043 ACF OP TIME 7947 PERIOD ENDING 70 JAN 31 INV 351 D056B261A

WUC	NOUN	CAT IND	QPA	NO MON	CURR 66-1 FAILS	CURR FAIL RATE	12 MON 66-1 FAILS	FAIL RATE	CURR MTBF	12 MON MTBF	CURR MTBM	12 MON MTBM	CURRENT FAIL OCC MANHOURS	12 MON ABORTS A	12 MON ABORTS C	12 MON ABORT RATE
1422B	CYLINDER POWER	A	2	12	4	.50	16	.15	1987	6452	359	388	36.5	1	1	.36

THE DATA FOR THE LAST YEAR INDICATES AN INCREASING TREND. CAL T IS 4.3

MONTH	HISTORIC DATA 1	2	3	4	5	6	7	8	9	10	11	CURR MO 12
FAIL RATE	0.	0.	0.	0.	.13	0.	.51	.23	0.	.11	.47	.50
3 MO AVG			0.	0.	.04	.04	.21	.24	.24	.11	.19	.36
FAILURES	0	0	0	0	1	0	4	2	0	1	4	4
OP TIME	10.8	8.1	8.4	8.7	7.8	8.6	7.9	8.8	8.8	8.8	8.5	7.9

	PREDICTED DATA/YEAR 13	14	15	16	17	18
UCL	.52	.56	.61	.65	.70	.75
FAIL RATE	.33	.36	.39	.43	.46	.49
LCL	.13	.15	.18	.20	.22	.24

QUARTERLY TREND IS GREATER THAN THE YEARLY TREND. CAL T IS 3.4967

	PREDICTED DATA/QUARTER 13	14	15	16
UCL	.66	.85	1.04	1.23
FAIL RATE	.46	.58	.71	.83
LCL	.26	.32	.37	.42

ACCIDENTS

MONTH	TYPE	NO	CAUSE
JUN	MAJOR	1	MAT FAIL
DEC	MAJOR	1	UNDET-MFS
TOTAL		2	

INCIDENTS

MONTH	TYPE	NO	CAUSE
JUL	INCIDENT	3	MAT FAIL
MAR	INCIDENT	1	MAT FAIL
NOV	INCIDENT	1	MAT FAIL
TOTAL		5	

EUMRs

MONTH	TYPE	NO	ITEMS	CAUSE
SEP	MF EUMR	2	2	MAT FAIL
AUG	MF EUMR	1	1	MAT FAIL
JUN	MF EUMR	1	1	MAINT
APR	MF EUMR	1	1	MAT FAIL
MAR	MF EUMR	1	4	MAT FAIL
FEB	MF EUMR	1	1	MAT FAIL
JAN	MF EUMR	1	1	MAT FAIL
DEC	CSH EUMR	2	2	MAT FAIL
NOV	MF EUMR	1	1	MAT FAIL
NOV	INC EUMR	1	1	MAINT
OCT	INC EUMR	1	1	UNDET
TOTAL		13	16	

APPENDIX 4-5D
ATTACHMENT NO. 5

PCN: D056B5016 30 June 1973
RCS: LOG-MMO(AR)7179
(Formerly RCS: 16-LOG-K261)

FOREWORD

TITLE: Work Unit Code Corrosion Summary

SOURCE: TO 00-20-2 series, "On" and "Off" equipment work reported on AFTO Form 349.

FREQUENCY: Quarterly (for quarters ending in March, June, September, and December) or not produced at the discretion of the System Manager Air Materiel Area. See AFLCM 66-15.

CONTENTS: This report provides summarized units, manhours, and cost information on components (Work Unit Codes) in selected end pieces of equipment that are experiencing corrosion (how malfunction codes 170 and 667).

USE: Information contained in this report is used to determine the extent of corrosion induced problems on components in accordance with AFLC responsibilities outlined in AFR 400-44.

1. Responsible logistic management organization and end article identification. In the upper left-hand corner of the report, the System Manager Air Materiel Area and end article are identified. Also, the equipment type designator will be shown as well as separate operational areas of special interest, such as aerial delivery systems and AFTAC equipment. Equipment identification will be reflected as follows:

a. For aircraft and related mobile training units, the modified mission symbol (if assigned), basic mission and type symbol, design number, and series (if master record is built for specific series) are specified. For example, F100, T039, T038T, or KC135A. The type designator identifying this equipment printed on the report is "ACF".

b. For air or ground launched missiles, the launch environment symbol, mission symbol, type symbol, design number and series symbol are specified. For example, AIM004A, or LGM030B. The type designator identifying this equipment is "GLM" for ground and "ALM" for air.

c. For ground communications-electronic-meteorological equipment (except L systems), the type, design number, and series

(if the master record is built for a specific series) are specified. For example, FPS020. The type designator identifying this equipment is "CEM".

d. For ground communications L systems, the designation and the equipment classification code are specified. For example, 466L6A1. The type designator identifying this equipment is "CEM".

e. For aircraft engines, the basic engine type and model and the second and third character of the equipment classification code for the aircraft in which the engine is installed are specified. For example, TF033BP. The type designator identifying this equipment is "ENG".

2. Period Ending - This is the last day of the quarter for the data appearing in this report.

3. Data qualifying for entry in this report will be displayed in two separate listings. The first listing will display the 25 high corrosion repair manhour consumer Work Unit Codes in rank order (1 through 25). The second listing will display the balance of the Work Unit Codes that have been reported as being subjected to corrosion repair actions during the quarter. These codes will be arrayed in Work Unit Code sequence but will not include the high 25 codes. Both sequences will have the same data displayed across the page for each Work Unit Code with one exception - the first listing will identify the rank order sequence number.

4. WUC - This column displays the complete five character work unit code (23000, 23100, 23111) as included in the end article B4 master record on which corrosion repair actions have been reported during the quarter.

5. Noun - This column displays the noun(s) describing the work unit codes as listed in the applicable 06 work unit code manual.

6. Month - This column displays a listing of the current month (Mar, Jun, Sep or Dec), prescribing two months and total in which corrosion actions have been reported.

7. Units - These columns display the number of units reported as having corrosion repair accomplished for the current month and the preceding two months against the listed work unit code. Units are listed as the following types:

a. On Eq - On equipment units taken from the AFTO Form 349 containing a how malfunction code of 170 or 667.

b. Off Eq - Off equipment (bench check and shop) units taken from the AFTO Form 349 containing a how malfunction code of 170 or 667.

c. Total - Total units reported on the work unit codes for corrosion repair.

8. Manhours - These columns display the number of manhours (labor hours) reported on corrosion repair on the work unit code for the months listed. Manhours are listed as follows:

a. Sched - Manhours spent as scheduled maintenance and reported by the following Type Maintenance Codes as listed in AFM 300-4, Volume XI:

(1) For Aircraft and Drones (including installed engines, related Mobile Training Sets, and Resident Training Equipment):

Type Maint.	Description
A	Service
C	Basic Postflight or Thruflight Inspection
D	Preflight or Scheduled Inspection
E	Hourly Postflight Inspection or Minor Inspection
H	Home Station Check - Isochronal
J	Calibration of Operational Equipment
M	Interior Refurbishment
P	Periodic, Phased or Major Inspection
R	Depot Maintenance
T	Time Compliance Technical Order

(2) For Air Launched Missiles (including related AGE and Training Equipment):

Type Maint.	Description
A	Service
C	Basic Postflight or Thruflight Inspection
D	Preflight or Scheduled Inspection
E	Hourly Postflight Inspection or Minor Inspection

3

J	Calibration of Operational Equipment
P	Periodic, Phased or Major Inspection
R	Depot Maintenance
T	Time Compliance Technical Order

(3) For Ground Launched Missiles (including related AGE, Ground C-E-M, and Training Equipment):

Type Maint.	Description
A	Service
D	Scheduled Inspection: Daily, Safety, and Servicing - excludes periodic/phased
F	Scheduled Ground Launched Missile Maintenance - excludes Scheduled Inspections
J	Calibration of Operational Equipment
P	Periodic or Phased Inspection
R	Depot Maintenance
T	Time Compliance Technical Order

(4) For Common AGE (including Peculiar AGE for ACMS Aircraft):

Type Maint.	Description
A	Service
D	Scheduled Inspection
J	Calibration of Operational Equipment
P	Periodic or Phased Inspection
R	Depot Maintenance
T	Time Compliance Technical Order

(5) For Ground C-E-M, COMSEC, and "L" Systems:

Type Maint.	Description
A	Service
D	Scheduled Inspection - Daily/Shift
F	Scheduled Inspection - Phased/Periodic
J	Calibration of Operational Equipment
P	Scheduled Maintenance
R	Depot Maintenance
T	Time Compliance Technical Orders

(6) For Munitions:

Type Maint.	Description
A	Scheduled Maintenance
J	Calibration of Operational Equipment
R	Depot Maintenance
T	Time Compliance Technical Orders

(7) For shop work on removed Engines:

Type Maint.	Description
A	Gas Turbine Engine Scheduled Inspection
C	Gas Turbine Engine Build-up
D	Gas Turbine Engine Teardown
H	Reciprocating Engine Build-up
K	Reciprocating Engine Teardown
Q	Forward Support Spares
R	Depot Maintenance
T	Time Compliance Technical Order

(8) For Class I Trainers:

Type Maint.	Description
A	Service
D	Scheduled Inspection Daily/Safety and Servicing
J	Calibration of Operational Equipment
P	Scheduled Maintenance - Phased/Periodic
R	Depot Maintenance
T	Time Compliance Technical Order

b. Unsched - Manhours spent as unscheduled maintenance and reported by the following Type Maintenance codes as listed in AFM 300-4, Volumn XI.

(1) For Aircraft and Drones:

Type Maint.	Description
B	Unscheduled Maintenance
S	Special Inspection
Y	Aircraft Transient Inspection

(2) For Air Launched Missiles:

Type Maint.	Description
B	Unscheduled Maintenance
S	Special Inspection

(3) For Ground Launched Missiles:

Type Maint.	Description
B	Unscheduled Maintenance
S	Special Inspection

(4) For Common AGE:

Type Maint.	Description
B	Unscheduled Maintenance
S	Special Inspection

(5) For Ground C-E-M, COMSEC, and "L" Systems:

Type Maint.	Description
B	Unscheduled Maintenance
H	Emergency On-Site Repair
S	Special Inspection

(6) For Munitions:

Type Maint.	Description
B	Unscheduled Maintenance
S	Special Inspection

(7) For shop work on removed Engines:

Type Maint.	Description
B	Gas Turbine Engine Intermediate Maintenance (JEIM)
E	Unscheduled Test Cell Operation
L	Reciprocating Engine Field Maintenance
S	Special Inspection
W	Minor Maintenance on Removed Engines
Y	Transient Engine Maintenance

(8) For Class I Trainers:

Type Maint.	Description
B	Unscheduled Maintenance
S	Special Inspection

c. Total - Total manhours (labor hours) expended on the Work Unit Code for corrosion repair.

9. (Dollars) Cost - This column displays an estimate of the cost to correct the reported corrosion deficiency for the Work Unit Code listed. The figure of $10.83 per manhours is utilized to compute the cost. This is AFLC's current manhour cost which includes overhead.

10. QPA - This column displays the quantity per application (number installed) of the work unit code on the specified end piece of equipment.

11. SEQ - This column displays the rank order of the twenty-five work unit codes contributing the highest dollar cost for corrosion repair based on labor cost only. These sequence numbers will appear only for the work unit code rank order listing (25 WUC maximum).

COMMENTS: All comments regarding the contents, use, and distribution of this report should be submitted through command channels to AFLC/MMOMA, Wright-Patterson AFB OH 45433.

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WORK UNIT CODE CORROSION SUMMARY
QUARTER ENDING 73 JUN 30

WUC	NOUN	MONTH	UNITS ON EQ	UNITS OFF EQ	UNITS TOTAL	MANHOURS SCHED	MANHOURS UNSCH	MANHOURS TOTAL	DOLLARS COST	QPA	SEQ NO.
65AH1*	ANTENNA-IFF 2347	JUN	1		1	604.8	.0	604.8	6,550	001	1
	TOTAL		1		1	604.8	.0	604.8	6,550		
11DCF*	SKIN-ENG INTAKEDUCT	JUN				17.8	.0	17.8	193	008	2
		MAY	7		7	52.4	134.0	186.4	2,019		
		APR				16.6	.0	16.6	180		
	TOTAL		7		7	86.8	134.0	220.8	2,391		
11DEF*	SKIN-ENG INTK DUCT	JUN	4		4	26.0	5.8	31.8	344	008	3
		MAY	3		3	45.0	69.6	114.6	1,241		
		APR				.0	7.0	7.0	76		
	TOTAL		7		7	71.0	82.4	153.4	1,661		
11GAB*	SKIN	JUN	2		2	16.6	16.9	33.5	363	002	4
		MAY	1		1	62.5	.0	62.5	677		
	TOTAL		3		3	79.1	16.9	96.0	1,040		
11DAA*	FRAME	JUN	1		1	88.0	.0	88.0	953	087	5
11DDF*	SKIN-ENG INTKE DUCT	JUN	2		2	35.0	.0	35.0	379	008	6
		APR	2		2	28.2	.0	28.2	305		
	TOTAL		4		4	63.2	.0	63.2	684		
230CW*	HINGE-DOOR	APR	1		1	52.0	.0	52.0	563	008	7
11DCK*	CORROSION PREV COAT	JUN	1		1	21.3	.0	21.3	231	001	8
		MAY	1		1	29.4	.0	29.4	318		
	TOTAL		2		2	50.7	.0	50.7	549		
11DDA*	FRAME	JUN	2		2	50.0	.0	50.0	542	005	9
74CA1*	PROGRAMMER 464541	JUN		3	3	4.6	2.3	6.9	75	001	10
		MAY		11	11	24.2	11.1	35.3	382		
	TOTAL			14	14	28.8	13.4	42.2	457		
13AD1*	FITTING-NG TRU SUP	JUN	2		2	38.0	.0	38.0	412	002	11

RCS: LOG-MMO(AR)7180 APPENDIX 4-5D
PCN: D056B5017 ATTACHMENT NO. 6

Formerly RCS: 17-LOG-K261 1 Jan 1972

FOREWORD

TITLE: System and Subsystem Corrosion Summary

SOURCE: AFM 66-1, TO 00-20-2 series, "On" and "Off" equipment work reported on AFTO Form 349.

FREQUENCY: Quarterly (for quarters ending in March, June, September and December) or not produced at the discretion of the System Manager Air Materiel Area. See AFLCM 66-15.

CONTENTS: This report provides summarized units, manhours and cost information on systems and subsystems in selected end pieces of equipment that are experiencing corrosion (how malfunction codes 170 and 667).

USE: In accordance with AFR 400-44, this information is used to determine corrosion induced problems on systems and subsystems requiring corrective action.

DESCRIPTION:

1. Responsible logistic management organization and end article identification. In the upper left-hand corner of the report, the System Manager Air Materiel Area and end article are identified. Also, the equipment type designator will be shown as well as separate operational areas of special interest, such as "SAC" for ground launched missile direct support real property installed equipment. Equipment identification will be reflected as follows:

a. For aircraft and related mobile training units, the modified mission symbol (if assigned), basic mission and type symbol, design number and series (if master record is built for specific series) are specified. For example, F100, T039, T038T, or KC135A. The type designator identifying this equipment printed on the report is "ACF".

b. For air or ground launched missiles, the launch environment symbol, mission symbol, type symbol, design number and series symbol are specified. For example, AIM004A, or LGM030B. The type designator identifying this equipment is "GLM" for ground and "ALM" for air.

c. For ground communications-electronic-meteorological equipment (except L systems), the type, design number and series (if the master record is built for a specific series) are specified. For example, FPS006A. The type designator identifying this equipment is "CEM".

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d. For ground communications L systems, the designation and the equipment classification code are specified. For example, 466L6A1. The type designator identifying this equipment is "CEM".

e. For aircraft engines, the basic engine type and model and the second and third character of the equipment classification code for the aircraft in which the engine is installed are specified. For example, TF033BP. The type designator identifying this equipment is "ENG".

2. Quarter Ending - This is the last day of the quarter that the data in this report covers.

3. Sys and Subsys - This column displays the system (first two characters of the Work Unit Code) and subsystem (first three characters of the Work Unit Code) of the end piece of equipment against which corrosion repair data has been accumulated.

4. Cmd - This column displays the major command reporting the units and manhours appearing as an extension on each line entry.

5. Sub Systems - The columns which appear under this heading display information on each subsystem as follows:

a. Units - This column displays the number of units subjected to corrosion repair for each major command and also a total line.

b. % - This column displays the per cent of total units reported on the subsystem by each major command listed. The per cent for the total subsystem line entry is the per cent calculation of subsystem units and complete system units.

c. Manhrs - This column displays the numbers of manhours reported on corrosion repair for each major command listed and also a subsystem total.

d. % - This column displays the per cent of total manhours reported on the subsystem by each major command listed. The per cent for the total subsystem line entry is the per cent calculation of subsystem manhours and complete system manhours.

e. Cost - This column displays an estimate of cost to correct the reported corrosion deficiencies in the subsystem listed. This estimate is based on manhours only and at the rate of $10.83 per hour. This is AFLC's current manhour rate which includes overhead.

6. System - The columns which appear under this heading display information in the same format as for the subsystem except that the data accumulation relates to the entire system, and percent calculations relate system data to complete end piece of equipment data.

7. Command Summary - Immediately following each system summary line entry is a command summary which displays units, manhours, and cost for each base within each major command that has reported corrosion repair. At the end of the base listing for each command there appears a command total summary line entry which is indicated by a single asterisk.

8. Grand Total - After all systems are listed a grand total line entry for the end piece of equipment is listed displaying total units, manhours, and cost.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted through command channels to AFLC/MMOMA, Wright-Patterson AFB, Ohio 45433.

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SYSTEM AND SUB SYSTEM CORROSION SUMMARY
QUARTER ENDING 72 MAR 31

SYS SUB SYS	CMD	SUB SYSTEM UNITS	%	MANHRS	%	COST		SYSTEM UNITS	%	MANHRS	%
42B	SAC	6	100.0	10.2	100.0	110					
* TOTAL *		6	15.8	10.2	33.1	110	*				
42C	SAC	4	100.0	3.5	100.0	38					
* TOTAL *		4	10.5	3.5	11.4	38	*				
42D	SAC	6	100.0	4.2	100.0	45					
* TOTAL *		6	15.8	4.2	13.6	45	*				
42E	SAC	10	100.0	7.1	100.0	77					
* TOTAL *		10	26.3	7.1	23.1	77	*				
42F	SAC	12	100.0	5.8	100.0	63					
* TOTAL *		12	31.6	5.8	18.8	63	*	38	2.9	30.8	.7

COMMAND SUMMARY

CMD	BASE	UNITS	MANHRS	COST	
SAC	BARKSDLE 2AF LA	3	7.0	76	
SAC	BEALE 15AF CALI	2	1.5	16	
SAC	BLYTHVL 2AF ARK	18	11.5	125	
SAC	LCRING 2AF ME	7	1.3	14	
SAC	MATHER AFB CALF	5	3.5	38	
SAC	RCBINS AFB GA	3	6.0	65	
* CMD TOTAL *		38	30.8	334	*

RCS: LOG-MMO(AR)7183
PCN: D056B5022

APPENDIX 4-5D
ATTACHMENT NO. 7

1 January 1972

Formerly RCS: 22-LOG-K261

FOREWORD

TITLE: System, Subsystem, Work Unit Code Failure Summary (See Attached Illustration)

SOURCE: AFM 66-1, TO 00-20-2 series and work on aircraft reported by AFTO Forms 349.

FREQUENCY: Quarterly (on selected aircraft - for quarters ending in March, June, September, and December).

CONTENTS: This report provides information on failures for the current quarter on each system within the end article; the three highest (percentage failure) subsystems within each system; and the seven highest (percentage failure) work unit codes within each subsystem displayed. The system with the highest percent of failures registered against the end article will be listed first, the second highest next, etc.

USE: This report is used to pinpoint the components within a subsystem that are degrading the system's mean time between failure.

DESCRIPTION:

1. Responsible Logistic Management Organization and End Article Identification. In the upper left-hand corner of the report the System Manager Air Materiel Area and end article are identified. The equipment will be identified by the modified mission symbol)if assigned), basic mission and type symbol, design number and series (if master record is prepared for specific series). For example, LF004C, RF004C or F004C as appropriate.

2. Quarter Ending - This is the last day of the report quarter. The month indicates the most current effective period of data reflected in this report.

3. Work Unit Code - This column contains the work unit code of the system (first two characters of the complete work unit code); the work unit code of the subsystem (first three characters of the complete work unit code); and seven high % failure complete work unit codes. For example, 74XXX, 741XX and 74191. Each system starts on a new page. For each system the three highest % failure

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subsystems are listed with the highest subsystem first, second highest next, and the third highest last. For each subsystem, the seven highest % failure work unit codes are listed with the highest work unit code first, second highest next, etc.

5. Noun - This column contains the noun(s) describing the work unit code.

6. Cat Ind - This column contains the category indicator assigned by the System Manager to the work unit code to specify one of the following:

Category Indicator	Description
A	Safety of Flight/Operation. This identifies work unit codes, which, upon failure or malfunction, would present a safety hazard to the end piece of equipment or operating personnel.
B	Mission Accomplishment. This identifies work unit codes, which upon failure or malfunction, would adversely affect mission accomplishment.
C	General Logistics. This includes work unit codes not assigned Category A or B that will be evaluated from a hi-value, reliability, critical support and normal performance standpoint.

7. Percent Fails - This column displays the percentage of failures that each work unit code contributes to the next higher level, i. e., WUC to subsystem, subsystem to system, and system to end article (aircraft). The computation is based on current quarter failure occurrences using the following formula:

$$\frac{\text{WUC failures X 100}}{\text{Subsystem failures}} \quad \text{or} \quad \frac{\text{Subsystem failures X 100}}{\text{System failures}} \quad \text{or} \quad \frac{\text{System failures X 100}}{\text{End article failures}}$$

8. Failures - Curr Qtr - This column displays failure occurrences for the current quarter.

a. The computer definition describing a failure occurrence at the five position work unit code level is:

(1) Any Type 1 how malfunction code in combination with an action taken code of F, K, L or Z.

(2) Any Type 1 how malfunction code in combination with an action taken code of P, R, or S provided the removed item was not found serviceable ("B" action taken code) at the bench check station.

b. The computer definition describing a failure occurrence and the accumulation of failures for use in displaying data at the system/subsystem level (74XXX/741XX) is the same as paragraph (1) above plus the "G" action taken codes reported in combination with any Type 1 how malfunction code. Accumulation of failure occurrences as related to "G" action taken code for

display at system/subsystem level (74XXX/741XX) is further limited to a count of one (1) per job control number after first qualifying as an occurrence. To qualify as an occurrence, the RCS: 1-LOG-K97 card must contain a unit of one (1) or more- occurrence count is then based on a count of one (1) per card regardless of the quantity of units greater than one (1) reflected in the card. Refer to AFLCM 66-15, Chapter 5, Section B for definition relating to type how malfunction codes. The acceptance of the How Malfunction/Action Taken code combination is then based upon an occurrence rather than unit count. A failure occurrence will be counted as "one" even though the units completed exceed "one". An occurrence count of "one" will not be made if the units completed is zero.

9. Failures - Last 12 Mos - This column displays the total number of accumulated failures over the past 12 months (current and preceding eleven months) for the work unit code. For example, 632.

10. Replacements - This column displays the unit count of replacements (total of the P and R "on" equipment action taken codes in combination with Type 1 and 2 how malfunction codes plus 803 less any "off" equipment "B" action taken codes) reported for the current quarter. For example, work unit code 74XXX had 1595 replacements (an accumulation of replacements for all work unit codes comprising the system).

11. Mean Time Between Failure - Curr Qtr - This column displays the calculated Mean Time Between Failure for the current quarter on the work unit code; for example, 4. This is calculated from the following equation:

$$\text{MTBF} = \frac{\text{Flying Time X Use Factor (K1) X QPA}}{\text{Number of Failures}} \times \text{Inventory Ratio}$$

Where: Flying Time = The number of hours flown by the aircraft for the quarter (from AFM 65-110 data).

Use Factor (K1) = The ratio of actual use time to flying time (from B4 master record).

QPA = Quantity Per Application (from B4 master record).

Number of Failures = Number of failure occurrences (as described in Paragraph 8 above).

$$\text{Inventory Ratio} = \frac{\text{Inventory in B4 Master Record}}{\text{Inventory Reflected by AFM 65-110}}$$

NOTE: The inventory ratio used in the above formula is always "one" unless a special inventory has been entered in the B4 master record for the work unit code indicating partial fleet application.

12. Mean Time Between Failure - Last 12 Mos - This column displays the average mean time between failure on the work unit code for the past twelve months; for example, 3. This is computed using the same equation specified in preceding paragraph 11 except the following is used:

a. Twelve months of flying time and number of failure occurrences.

b. The current QPA in the B4 master record.

c. The current Use Factor (K1) in the B4 master record.

d. The current inventory in the B4 master record if appropriate.

13. Mean Time Between Failure - Ratio Curr Qtr/Last 12 - This column displays the mean time between failure ratio of current quarter to twelve months; for example, 1.16. This is computed by the following formula:

$$\frac{\text{Current Quarter MTBF}}{\text{Last 12 Months MTBF}}$$

14. Mean Time Between Failure - Ratio Curr Qtr/MAR - This column displays the ratio of the mean time between failure--current quarter to the minimum acceptable reliability (MAR); for example, .01. This is computed as follows:

$$\frac{\text{Mean Time Between Failure for Curr Qtr}}{\text{Minimum Acceptable Reliability}}$$

15. Mean Sorties BF - This is the Mean Sorties Between Failures for the current quarter. It is calculated as follows:

$$\text{Mean Sorties BF} = \frac{\text{Number of Sorties X QPA X Inv Ratio}}{\text{Number of Failures (Current Qtr)}}$$

16. MDS Total - On the last page of the report, the following totals for aircraft are listed:

a. Replacements - This is the total unit count of replacements (P and R Action Taken Codes using the same technique described in Paragraph 10 above) reported for the quarter on the complete aircraft.

b. Failures - This is the total number of failures reported for the quarter on the complete aircraft. Failures are determined as explained in preceding paragraph 8.

c. Average Length of Sortie - This is the average length of sorties flown by the complete inventory of aircraft considered in data displayed in this report and it is derived by flying hours divided by number of sorties.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted to AFLC (MMOMA), Wright-Patterson AFB, Ohio 45433.

SAAMA
A037

FOR OFFICIAL USE ONLY

SYSTEM, SUBSYSTEM AND WORK UNIT CODE FAILURE SUMMARY

QUARTER ENDING 70 JUN 30

RCS 22-LOG-K261
DO5602634

WORK UNIT CODE	NOUN	CAT IND	PER CENT FAILS	---FAILURES--- CURR QTR	LAST 12 MOS	REPLACEMENTS P-R A/T CODES	----------MEAN TIME BETWEEN FAILURES---------- CURR QTR	AVG LAST 12 MOS	RATIO-CURR QTR/LAST 12	RATIO-CURR QTR/1 MAR	MEAN SORTIES BP
71XXX	SYSTEM SUMMARY		10.3	104	915	99	53	50	1.05	.00	43
713XX	SUB-SYSTEM SUMMARY		62.5	65	670	59	85	69	1.23	.00	69
71317	RECEIVER-TRANSMITTR	B	86.1	56	530	50	98	87	1.13	1.11	80
71315	INDICATOR ID-663	B	4.6	3	31	3	1116	1496	.75	3.01	1491
71311	ANTENNA	B	3.0	2	32	2	1344	1449	.93	1.21	2237
71312	ANTEN CHGOVR SWITCH	B	3.0	2	21	2	1494	2208	.68	1.34	2237
71313	CONTROL PANEL	B	1.5	1	7	1		6625	.00	.00	4473
71316	INDICATOR ID-351	B	1.5	1	26	1	1494	1783	.84	1.34	4473
715XX	SUB-SYSTEM SUMMARY		16.3	17	69	17	466	672	.69	.00	263
71511	ANTENNA	B	70.5	12	45	12	477	1030	.46	.43	373
71510	UHF AN/ARA-50	B	17.6	3	3	3		15458	.00	.00	1491
71512	AMPLIFIER	B	11.7	2	19	2		2440	.00	.00	2237
716XX	SUB-SYSTEM SUMMARY		10.5	11	133	9	366	348	1.05	.00	407
71612	RECEIVER	B	63.6	7	71	5	545	653	.83	1.47	639
71611	CONTROL PANEL	B	36.3	4	55	4	763	843	.91	2.06	1118

A037 TOTALS - REPLACEMENTS 1640 FAILURES 1731 AVERAGE LENGTH OF SORTIE 1.24

APPENDIX 4-5D
ATTACHMENT NO. 8

PCN: D056B5023
RCS: LOG-MMO(AR)7184
(Formerly RCS: 23-LOG-K261)

31 October 1973

FOREWORD

TITLE: Failure Rate Data for Selected Work Unit Codes.

SOURCE: AFM 66-1, TO 00-20-2 series and work on aircraft reported by AFTO Form 349.

FREQUENCY:

1. Quarterly when the mean time between failure - current quarter for a work unit code is less than the action limit. This report applies to selected aircraft, aircraft engines, AFM028 and AGM069A. Only work unit codes for which the current quarter mean time between failure (MTBF) is less than the action limit will appear in this report.

2. On demand when requested for a specific work unit code (produced at end of quarter only).

CONTENTS: This report provides information on selected work unit codes concerning their performance in service throughout the U.S. Air Force. This information consists of failure rates, failure rate comparisons for specified time periods, modes of failure, and base location.

USE: This report is used to evaluate hardware items that do not meet the action limit as established by the criteria described in AFLCM 66-15, Chapter 2, Section B. From this report data is available for reliability studies which reflect failure trends and other supporting descriptive details.

DESCRIPTION:

1. Responsible Logistic Management Organization and End Article Identification. In the upper left-hand corner of the report the System Manager Air Materiel Area and end article are identified. The end article is identified by the modified mission symbol (if assigned), base mission and type symbol, design number and series (if computer master record is built for a specific series). For example, F100, T039 or KC135A.

2. WUC - This entry identifies the complete five-character work unit code and description that the System Manager has built into the end article master record.

3. Quarter Ending - This is the last day of the report month. The month indicates the most current effective period of data reflected in this report. To the left of the date entry the request control number will appear any time the report is produced as a result of a demand request.

AFLC-WPAFB-MAR 74 950

4. Mean Time Between Failure:

a. Current Quarter - This column displays the calculated Mean Time Between Failure for the current quarter on the work unit code. This is calculated from the following equation:

$$MTBF = \frac{\text{Flying Time X Use Factor (K1) X QPA}}{\text{Number of Failures}} \times \text{Inventory Ratio}$$

Where: Flying Time = The number of hours flown by the aircraft for the quarter (from AFM 65-110).

Use Factor (K1) = The ratio of actual use time to flying time (from B4 master record).

QPA = Quantity Per Application (from B4 master record).

Number of Failures = Number of failures as determined using criteria described in Paragraph 5.

$$\text{Inventory Ratio} = \frac{\text{Inventory in B4 Master Record}}{\text{Inventory Reflected by AFM 65-110}}$$

NOTE: The inventory ratio used in the above formula is always "one" unless a special inventory has been entered in the B4 master record for the work unit code indicating partial fleet application.

b. Previous Quarter - This column displays the calculated Mean Time Between Failure for the quarter preceding the quarter identified in heading of this report. The calculation uses the same formula described in Paragraph 4a above.

c. Last 12 Mos - This is the average mean time between failure on the work unit code for the past twelve months. This is computed using the same equation specified in preceding Paragraph 4a using twelve months of flying time and number of failures, the current QPA in the B4 master record, the current use factor (K1) in the B4 master record and the current inventory in the B4 master record if appropriate.

d. Ratio - Curr Qtr/Last 12 - This column displays the mean time between failure ratio of the current quarter to the last twelve months. This is computed by the following formula:

$$\frac{\text{Current Quarter MTBF}}{\text{Last 12 Months MTBF}}$$

e. Ratio - Curr Qtr/Act Lmt - This column displays the ratio of mean time between failure - - current quarter to the Action Limit. This is computed as follows:

$$\frac{\text{Mean Time Between Failure - Current Quarter}}{\text{Action Limit}}$$

5. Failure Totals:

a. Curr Qtr - This column displays the total number of failure occurrences reported for the current quarter against the listed work unit code. The accumulation is based on an occurrence (a count of one (1) per card) rather than a unit count. Cards with zero (0) units completed are excluded from this count. Also, only selected how mal and action taken combinations are considered.

(1) The computer definition describing a failure occurrence at the five position work unit code level is:

(a) Any Type 1 how malfunction code in combination with an action taken code of F, K, L, or Z.

(b) Any Type 1 how malfunction code in combination with an action taken code of P or R provided the removed item was not found serviceable ("B" action taken code) at the bench check station.

NOTE: A listing of the specific h9w malfunction codes grouped by Type 1, 2, and 6 is contained in AFLCM 66-15, Chapter 5, Section B.

b. Last 12 Mos - This column displays the total number of accumulated failure occurrences (see Paragraph 5a) over the last twelve months for the work unit code.

6. Action Limit - This value is a computed or manually assigned value based on accumulated experience, or estimated when an adequate experience base is not available. The criteria for establishing or adjusting this value is prescribed in AFLCM 66-15, Chapter 2, Section B. Action Limit applies only to aircraft, aircraft engines, AFM028 and AGM069A.

7. QPA - This column displays the quantity per application (quantity of like items) of the work unit code installed on the aircraft.

8. Use Factor - This column displays the Use Factor (K1), which is the ratio of actual use time to flying time, inserted in the B4 master record by the SM AMA. It is used in the Mean Time Between Failure computation to adjust flying hours to give actual use hours.

9. Cat Ind - This column displays the category indicator assigned to the work unit code by the System Manager in the master record to specify one of the following:

CATEGORY INDICATOR	DESCRIPTION
A	Safety of Flight/Operation. This identifies work unit codes which, upon failure or malfunction, would present a hazard to the end piece of equipment or operating personnel

CATEGORY INDICATOR	DESCRIPTION
B	Mission Accomplishment. This identified work unit codes which, upon failure or malfunction, would adversely affect mission accomplishment.
C	General Logistics. This includes work unit codes not assigned Category A or B that will be evaluated from a hi-valu, reliability, critical support and normal performance standpoint.

10. When Discovered Code Summaries for Current Quarter Failures - This is the maintenance data reflecting the details as to when the reported failures were discovered. These details are listed as follows:

a. Code and Noun - This is the AFM 300-4, Volume XI, when discovered code and the description describing the code. Only the codes reported for failures are listed.

b. Occ - This is the number of failure occurrences reported for each of the when discovered codes.

11. How Malfunction Code Summaries for Current Quarter Failures - This is the maintenance data reflecting the details relating to the how malfunction. These details are listed as follows:

a. Code and Noun - This is the AFM 300-4, Volume XI how malfunction codes and a description of the codes. These are failure codes reported on the work unit code.

b. Occ - This is the number of failure occurrences reported for each of the listed how malfunction codes.

12. Action Taken Code Summaries for Current Quarter Failures - This is the maintenance data reflecting the details relating to the action taken on the work unit code to correct the failure. These details are listed as follows:

a. Code and Noun - This is the AFM 300-4, Volume XI action taken codes and a description of the codes. Only the follwoing codes will be listed:

CODE	DESCRIPTION
F	Repair
K	Calibrated - Adjustment Required
L	Adjust
P	Removed
R	Remove and Replace
Z	Corrosion Repair

b. Occ - This is the number of failure occurrences reported for each of the listed action taken codes.

13. Summary of Failures by Base - This is summarized information pinpointing the location on which the failures are being experienced during the current quarter. The following is listed:

a. Base - This is the name of the base reporting the failure on the work unit code.

b. Fails - This is the number of failure occurrences reported from the base appearing in (a) above.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted to AFLC (MMOMA), Wright-Patterson AFB, Ohio 45433.

WRAMA — FAILURE RATE DATA FOR SELECTED WORK UNIT CODES — PCN 003889023

UH001N ACF 4231A MAIN INVERTER — QUARTER ENDING 73 DEC 31 — FORMERLY 23-LOG-K261 — RCS LOG-MMO<AR>7184

MEAN TIME BETWEEN FAILURE: CURRENT QUARTER	MEAN TIME BETWEEN FAILURE: PREVIOUS QUARTER	MEAN TIME BETWEEN FAILURE: LAST 12 MOS	RATIO-CURR QTR/LAST 12	RATIO-CURR QTR TO AL	FAILURE TOTAL: CURRENT QUARTER	FAILURE TOTAL: LAST 12 MOS	ACTION LIMIT	QPA	USE FACTOR	CAT IND
124	722	520	.24	.73	29	36	000170	001	1.00	A

- - - WHEN DISCOVERED CODE SUMMARIES FOR CURRENT QUARTER FAILURES - - -

CODE	NOUN	OCC	CODE	NOUN	OCC	CODE	NOUN	OCC	CODE	NOUN	OCC
A	BEFR FLT/ABRT CK	1	B	BEFR FLT NOABRT	1	D	IN FLT-NO ABORT	7	F	BTWN FLT-GRD CK	10
H	BSIC PO FLTINSP	1	J	PRE FLT INSP	2	M	PER PHASED INSP	1			

- - - HOW MALFUNCTION CODE SUMMARIES FOR CURRENT QUARTER FAILURES - - -

CODE	NOUN	OCC	CODE	NOUN	OCC	CODE	NOUN	OCC	CODE	NOUN	OCC
037	FLUCTUATES	1	127	ADJUST IMPROP	6	169	VOLTGE INCOR	4	242	FAIL TO OPER	3
374	INTERNAL FAIL	9	561	CANT ADJUST	1	710	BEARING FAIL	1	730	LOOSE	3
962	LOW PLECT PWR	1									

- - - ACTION TAKEN CODE SUMMARIES FOR CURRENT QUARTER FAILURES - - -

CODE	NOUN	OCC	CODE	NOUN	OCC	CODE	NOUN	OCC	CODE	NOUN	OCC
L	ADJUST	12	P	REMOVED	1	R	REM REPL	16			

- - - SUMMARY OF FAILURES BY BASE - - -

BASE	FAILS	BASE	FAILS	BASE	FAILS	BASE	FAILS
ANDREWS AFB MD	7	EDWARDS AFB CAL	2	FRCHLD 19AP WSH	2	HILL AFB UTAH	9
HOMSTED BAF FLA	5	MACDILL AFB FLA	3	MT HOM 15AF IDA	1		

RCS: LOG-MMO(AR)7185
PCN: D056B5025

APPENDIX 4-5D
ATTACHMENT NO. 9

Formerly RCS: 25-LOG-K261

1 March 1970

FOREWORD

TITLE: Maintenance Manhours Per Flying Hour by Weapon, Command and System.

SOURCE: AFM 66-1, T.O. 00-20-2 Series, "On" and "Off" Equipment work reported on AFTO Form 349.

FREQUENCY: Quarterly on selected aircraft as determined by Headquarters AFLC (MCNOMA/MCNAPE) to fulfill maintenance manhour per flying hour reporting requirements levied by Headquarters USAF (AFSME). Reports are as of 31 March, 30 June, 30 September and 31 December.

CONTENTS: This report provides maintenance manhour and maintenance manhour per flying hour data for the current quarter by command and by functional system within a weapon. It also provides comparative maintenance manhour per flying hour data based on the last twelve months experience. In addition, system totals, TCTO work and support general work are shown in summary form. The following general criteria applies in considering AFM 66-1 data for inclusion in this report:

a. There must be a B4 master record established in the AFLC computer, and the content of this report will include manpower resource expenditure on all equipment classification codes which apply to the master record. These codes are identified on the last line entry in the report as "suffix codes".

b. The depot columns although programmed into the report will not contain entries. Depot reporting has been blocked out of the report for the foreseeable future.

c. Data reported against a weapon by commands other than those specifically identified by Headquarters AFLC will appear in the report as a composite line entry "OTH" in the command column.

d. The "last 12 months" segment of the report may be less than the heading indicates. If for any reason, the data file contains less than 12 months flying time or AFM 66-1 reported data the report will be based on the lesser amount, and a message on the last line entry of the

AFLC-WPAFB-APR 70 950

report will so indicate. In addition, the TCTO line entries are based on data accumulated since 1 June 1969.

USE: This report is used to prepare manhour per flying hour reports for Headquarters AFLC and USAF. In addition, it is used to evaluate manpower expenditures between commands for the same weapon and to compare functional systems within the weapon.

DESCRIPTION:

1. Responsible Logistic Management Organization and End Article Identification - In the upper left-hand corner of the report the System Manager Air Materiel Area and end article are identified. Also, the equipment type designator will be shown. The end article identification will be displayed as F100, T039, KC135A, etc., with the type designator of "ACF" since this report applies only to aircraft.

2. Quarter Ending - This is the last day of the report quarter. The month indicates the most current period of data reflected in this report.

3. Activity or System - This column is a listing of all numeric functional systems in the aircraft on which data is displayed plus support general by type of work with a summary total of 01 through 09. In addition, TCTO work is displayed in three categories:

a. Acft TCTO - That TCTO work accomplished "on equipment". RCS: 1-LOG-K97 data with MDS in Columns 1-7, an "A" in Column 33, and a "6" in Column 80.

b. Com TCTO - That TCTO work accomplished on components of the aircraft in shop "off equipment". RCS: 1-LOG-K97 data with zeros in Columns 1-3, an "A" or "X" in Column 33, and a "6" in Column 80.

c. Eng TCTO - That TCTO work on the engine in shop. RCS: 1-LOG-K97 data with engine type, model, series in Columns 1-12, an "X" in Column 33, and a "6" in Column 80.

4. Cmd - This column displays the major commands possessing this aircraft for operation and maintenance. The command identification (number of commands displayed) for a given MDS aircraft is regulated by a list of commands inserted

into the computer at Headquarters AFLC. All other commands which may operate a small quantity of these aircraft will be consolidated into a line entry using a command abbreviation OTH (other). This line entry will include the same type of data displayed as for any specifically identified command. In addition, all of the reported transient maintenance for the aircraft is included in the OTH line entry. (This maintenance is selected using the Type Maintenance Code "Y").

5. XXX Quarter - The columns below this heading display data for the current quarter only as indicated by the individual column headings:

a. Manhours - The columns below this heading display gross manhours by system for the current quarter only.

(1) Scheduled - This column displays all scheduled maintenance manhours by system (other than support general and TCTO) as defined by use of the Type Maintenance Codes A, C, D, E, H and P.

(2) Unscheduled - This column displays all unscheduled maintenance manhours by system (other than support general and TCTO) as defined by use of the Type Maintenance Codes B, J, S and Y.

(3) Total - This column displays total maintenance manhours by system (including support general and TCTO). It is the combined total of scheduled and unscheduled maintenance.

b. Mhrs Per Flying Hour - The columns below this heading display data only for the current quarter as indicated by the individual column headings.

(1) Org - This column displays "on equipment" manhours per flying hour by system (including support general and TCTO). These entries are derived by accumulating the manhours for "zero" RCS: LOG-K97 cards with an "A" in Column 33 (excluding those "zero" cards containing ØØØ in Columns 1-3). The formula applied is:

Mhrs divided by Flying Hours

(2) Field - This column displays "off equipment" manhours per flying hour by system. For this report engine in shop work is considered "off equipment". These entries are derived by accumulating the manhours for "three" RCS: LOG-K97 cards with an "A" or "X" in Column 33; "zero" cards containing "ØØØ" in Columns 1-3; and, "zero" card engine data containing an "X" in Column 33 with the appropriate aircraft identification in Columns 39 and 40. Entries in this column for Support General 01 through 09 represent Jet Engine Base Maintenance (JEBM). The formula applied is the same as (1) above.

(3) Depot - This column will not display any data for the immediate future. It has been programmed into the report so that when representative depot data becomes available it can be displayed in this report.

6. Last 12 Months - The columns below this heading display data for the last twelve months as indicated by the individual column headings.

Mhrs Per Flying Hour - The columns below this heading display data for the last twelve months period (if available--check last line entry on report) as indicated by the individual column headings.

(1) Org - This column displays the same type of data as Paragraph 5b (1) above except that it is for a period of twelve months (if available--check last line entry on report).

(2) Field - This column displays the same type of data as Paragraph 5b (2) above except that it is for a period of twelve months (if available--check last line entry on report).

(3) Depot - This column will not display any data for the reasons stated in Paragraph 5b (3).

7. % of Total - The two columns below this heading display data for the last twelve months period as indicated by the individual column headings:

a. Base - This column displays the percentage of total maintenance manhours expended for each system at base level. These entries are derived by using the following formula:

$$\% \text{ Base} = \frac{\text{Base Level Manhours}}{\text{Total Manhours}} \times 100$$

b. Depot - This column displays the percentage of total manhours expended for each system at depot level. These entries are established as:

100% - % at Base Level

NOTE: No depot level data will be displayed or included in this report until representative depot level data becomes available. All RCS: LOG-K97 data bearing a Type Maintenance Code of "R" is therefore excluded.

8. Weapon Sub Total - These line entries are summary totals of the preceding entries for Systems 11 through 99 and displaying the same range of data.

9. TCTO Work - This is displayed by three entries as described in Paragraph 3 above. The gross data is extracted by use of Type Maintenance Code T; therefore, no scheduled or unscheduled manhour entries are appropriate--only total manhours and associated computations.

10. Weapon Grand Total - These line entries are a grand total of the summary lines for Support General 01 through 09, weapon sub total and TCTO work.

11. The concluding entries of this report are:

a. Flying hours for the current quarter represented in this report.

b. AFM 300-4 Equipment Classification codes included in the data displayed by this report are listed on this entry for reference.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted through command channels to Hq AFLC, Attn: MCNOM, Wright-Patterson AFB, Ohio 45433.

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F004D ACF

MAINTENANCE MAN-HOURS PER FLYING HOUR
BY WEAPON, COMMAND AND SYSTEM FOR QUARTER ENDING 69 DEC 31

RCS 25-LOG-K261
D0568197A

ACTIVITY OR SYSTEM	CMD	4TH QUARTER MAN-HOURS SCHEDULED	4TH QUARTER MAN-HOURS UNSCHEDULED	4TH QUARTER MAN-HOURS TOTAL	4TH QUARTER MHRS PER FLYING HOUR ORG	4TH QUARTER MHRS PER FLYING HOUR FIELD	4TH QUARTER MHRS PER FLYING HOUR DEPOT	LAST 12 MONTHS MHRS PER FLYING HOUR ORG	LAST 12 MONTHS MHRS PER FLYING HOUR FIELD	LAST 12 MONTHS MHRS PER FLYING HOUR DEPOT	LAST 12 MONTHS % OF TOTAL BASE	LAST 12 MONTHS % OF TOTAL DEPOT
97	AFE	3.5	15.7	19.2				.01			100.00	
EXP DEV & COMP	PAF	17.8	71.2	89.0							100.00	
	TAC	9.0	13.5	22.5							100.00	
	OTH	2.4	4.0	6.4	.02			.01			100.00	
	TOT	32.7	104.4	137.1							100.00	
WEAPON SUB TOTAL	AFE	12,995.2	79,643.4	92,638.6	10.06	4.41		9.21	4.18		100.00	
	PAF	54,164.6	412,615.1	466,779.7	12.83	5.67		12.79	5.94		100.00	
	TAC	12,187.0	149,116.7	161,303.7	6.93	2.91		8.44	4.00		100.00	
	OTH	2,505.8	19,895.2	22,401.0	32.15	31.31		22.89	22.70		100.00	
	TOT	81,852.6	661,270.4	743,123.0	10.61	4.76		10.71	5.08		100.00	
ACFT TCTO	AFE			20,003.2	3.13			1.46			100.00	
	PAF			27,378.7	1.09			.53			100.00	
	TAC			35,627.7	2.17			1.01			100.00	
	OTH			40,093.5	113.58			56.99			100.00	
	TOT			123,103.1	2.55			1.25			100.00	
COMM TCTO	AFE			1,844.7		.29			.11		100.00	
	PAF			864.8		.03			.03		100.00	
	TAC			4,890.1		.30			.14		100.00	
	OTH			6,082.4		17.23			13.79		100.00	
	TOT			13,682.0		.28			.13		100.00	
ENG TCTO	AFE			1,194.3		.19			.35		100.00	
	PAF			4,469.9		.18			.08		100.00	
	TAC			3,883.0		.24			.23		100.00	
	OTH			1,550.2		4.39			2.50		100.00	
	TOT			11,097.4		.23			.16		100.00	
WEAPON GRAND TOT	AFE	12,995.2	79,643.4	174,354.8	22.02	5.22		19.04	5.68		100.00	
	PAF	54,164.6	412,615.1	699,599.6	21.49	6.24		21.31	6.58		100.00	
	TAC	12,187.0	149,116.7	290,438.9	14.01	3.72		15.42	4.66		100.00	
	OTH	2,505.8	19,895.2	77,093.0	165.42	52.97		95.61	31.90		100.00	
	TOT	81,852.6	661,270.4	1,241,486.3	20.08	5.59		19.32	5.92		100.00	
FLYING THIS QTR	48,363											

SUFFIX CODES FS F9

END OF PRINT

APPENDIX 4-5D
ATTACHMENT NO. 10

PCN: DO56B5503
RCS: LOG-MMO(AR)7167
Formerly 3 LOG-K261 1 Feb 1975

FOREWORD

TITLE: Detail Maintenance Actions for Selected Work Unit Codes.

SOURCE: AFM 66-1, T.O. OO-2O-2 series, "on" equipment work reported on AFTO Form 349.

FREQUENCY: Demand Only (on specific request submitted in accordance with AFLCR 66-15, Chapter 6, Section B).

CONTENTS: This report provides from one to twelve months detail maintenance data on selected work unit codes, including support general, by how malfunction code, action taken code, base and serial number for specific work unit codes on an end article. Data contained in the report is dependent on the degree of selectivity imposed by the requester within options described in AFLCR 66-15, Chapter 6, Section B.

USE: This report is used to further define apparent problem areas reflected by gross indicators. It is also used in support of accident investigations and special detail study requirements.

DESCRIPTION:

1. Responsible Logistic Management Organization and End Article Identification. In the upper left-hand corner of the report, the System Manager Air Logistic Center and end article are identified. Also, the equipment type designator will be reflected as follows:

a. For aircraft and related mobile training units, the modified mission symbol (if assigned), basic mission and type symbol, design number and series (if master record is prepared for specific series) is specified. For example, F100, T039, T038 or KC135A. The type designator identifying this equipment printed on the report is "ACF".

b. For air or ground launched missiles, the launch environment symbol, mission symbol, type symbol, design number and series symbol is specified. For example, AIM-004A or LGM030B. The type designator identifying these equipments is "GLM" for ground and "ALM" for air.

c. For registered aerospace ground equipment, the Federal Supply Class (FSC) and NIIN designator portion of the registration number is specified. For example, 1730DAE. The type designator identifying this equipment is "AGE".

d. For trainers and simulators, the last two characters of the equipment classification code and five-character work unit code identifying the equipment are specified. For example, RADF000. The type designator identifying this equipment is "TRS".

e. For Missile Class 1 trainers, the type,model and series, and an Alpha T are specified. For example, LGM30BT. The type designator identifying this equipment is "TRS".

f. For ground communications-electronic-meteorological equipment (except L systems), the type, design number and series (if the master record is prepared for a specific series) is specified. For example, FPS006A. The type designator identifying this equipment is "CEM".

g. For Ground communications L systems, the designation and the three-character equipment classification code is specified. For example, 466L6A1. The type designator identifying this equipment is "CEM".

h. For aircraft engines, the basic engine type and model, and the last two characters of the equipment classification code for the aircraft in which the engine is installed is specified. For example, TF033BP. The type designator identifying this equipment is "ENG".

i. For munitions, a "W" to indicate munitions and the five-character work unit code identifying the munitions. For example, W TE400. The type designator identifying this type of equipment is "WEP".

2. Period Ending. This is the last day of the report month. The month indicates the most current effective period of data reflected in this report.

3. WUC. This is a listing of only those work unit codes that qualify for entry in this report under conditions described in "Contents" paragraph.

4. Noun. This is the noun(s) describing the work unit code.

5. Cat Ind. This is a category indicator assigned by the System Manager to the work unit code to specify one of the following:

Category Indicator	Description
A	Safety of Flight/Operation. This identifies work unit codes, which, upon failure or malfunction, would present a safety hazard to the end piece of equipment or operating personnel.
B	Mission Accomplishment. This identifies work unit codes, which upon failure or malfunction, would adversely affect mission accomplishment.
C	General Logistics. This includes work unit codes not assigned Category A or B that will be evaluated from a hi-valu, reliability, critical support and normal performance standpoint.

6. Type. This column groups all how malfunction codes (refer to AFLCR 66-15, Chapter 5, Section B) under three main types and support general as follows:

Type Number	Description
1	Failure. These codes, when used with the proper action taken codes, indicate that the item no longer can meet the minimum specified performance requirement due to its own internal failure pattern.
2	Other Malfunctions. These codes, when used with proper action taken codes, indicate that the item no longer can meet the minimum

3

Type Number	Description
	specified performance requirement due to some induced condition and not due to its own internal failure pattern.
6	No Defect. These codes indicate that maintenance resources were expended due to policy, modification, location or cannibalization and that no defect existed at the time of the maintenance action.
0	Support General. Support general work is identified by type, how mal and action codes of zeros.

NOTE: There should be no attempt at making a comparative analysis between the numbers of units failing within any given type and that failure data which is displayed in the PCN: DO56B5006. These reports are produced under two separate sets of criteria.

7. How Mal. This column lists the numeric code and noun(s) describing the how malfunction code reported against the work unit code.

8. Action. These are the actions taken on the how malfunction code listed.

9. Base. This is the name of the base which reported the maintenance action.

10. Serial Number. This is the serial number of the end article of equipment on which the maintenance action was taken.

11. When Discovered. These are the following general categories indicating when the how malfunction was discovered:

a. Op. This indicates the how malfunction was discovered during operation and consists of the following when discovered codes:

Code	Description
	FOR AIRCRAFT, DRONES, AIR LAUNCHED MISSILES, MOBILE TRAINING UNITS AND ENGINES

Code	Description
C	In-Flight Abort
D	In-Flight-No Abort/During AGE Operation
P	Functional Check Flight

FOR GROUND C-E-M TRAINERS AND AGE

C	During Equipment Operation/Caused Equipment Down Time
D	During Equipment Operation/Did Not Cause Equipment Down Time
P	Operational Systems Check

FOR GROUND LAUNCHED MISSILES, THEIR AGE AND C-E-M

A	Countdown-Abort
B	Countdown-No Abort
C	Simulated Countdown-Abort
D	Simulated Countdown-No Abort
N	Functional/Operational Check-Result Good
P	Functional/Operational Check-Result Bad

FOR CONVENTIONAL AND NUCLEAR MUNITIONS

C	During Operation
P	Functional/Operational Check

b. Ins. This indicates the how malfunction was discovered during a scheduled inspection or calibration and consists of the following when discovered codes:

Code	Description
G	AIM 270-day Checkout (Air Launched Missiles)
H	Basic Postflight or Thru-Flight Inspection and AIM 30-Day Checkout
J	Preflight Inspection

Code	Description
K	Hourly Postflight Inspection/Minor Inspection-Isochronal/AIM 120-Day Checkout/AGM Combined Systems Checkout
M	Periodic/Phased/Major Inspection-Isochronal Inspection and AIM 180-Day Checkout
N	AIM 360-Day Checkout (Air Launched Missiles)
Q	Special Inspection
T	During Scheduled Calibration
Z	AGM Under Wing Check
3	Home Station Check-Isochronal
	FOR GROUND C-E-M, TRAINERS AND AGE
H	Scheduled Inspection CEM Phase or Periodic (Does not include daily/shift)
J	Daily Inspection/Shift Verification
M	Scheduled Inspection (Not CEM)
Q	Special Inspection
T	During Scheduled Calibration
	FOR GROUND LAUNCHED MISSILES, THEIR AGE AND C-E-M
J	Daily Inspection/Shift Verification
M	Scheduled Inspection
Q	Special Inspection
T	During Scheduled Calibration
	FOR CONVENTIONAL AND NUCLEAR MUNITIONS
A	Receiving Inspection
B	Shipping Inspection
D	Reacceptance Inspection
E	Storage Inspection

Code	Description
J	Daily Inspection
M	Scheduled Inspection/Maintenance
Q	Special Inspection
T	During Scheduled Calibration

c. Oth. This indicates the how malfunction was discovered at a time other than operation or during a scheduled inspection or calibration. This category consists of the following when discovered codes:

FOR AIRCRAFT, DRONES, AIR LAUNCHED MISSILES, MOBILE TRAINING UNITS AND ENGINES

A	Before Flight-Abort
B	Before Flight-No Abort
E	After Flight
F	Between Flights-Ground Crew
G	Ground Alert Not Degraded (Except Air Launched Missiles)
L	During Training or Maintenance on Equipment Utilized in a Training Environment
N	Ground Alert Degraded (Except Air Launched Missiles)
R	Quality Control Check
S	Depot Level Maintenance
U	Nondestructive Inspection
V	During Unscheduled Calibration
W	In-Shop Repair and/or Disassembly for Maintenance
X	Engine Test Stand Operation
Y	Upon Receipt or Withdrawal From Supply Stocks
2	During Operation of Malfunction Analysis and Recording Equipment
4	Corrosion Control Inspection
5	Aircraft Interior Refurbishment

Code	Description
	FOR GROUND C-E-M, TRAINERS AND AGE
F	Unscheduled Maintenance
L	During Training or Maintenance on Equipment Utilized in a Training Environment
R	Quality Control Check
S	Depot Level Maintenance
U	Nondestructive Inspection
V	During Unscheduled Calibration
W	In-Shop Repair and/or Disassembly for Maintenance
Y	Upon Receipt or Withdrawal from Supply Stocks
Z	During Initial Equipment Installation
	FOR GROUND LAUNCHED MISSILES, THEIR AGE AND C-E-M
E	Post Launch/Refurbish Maintenance
F	Unscheduled Maintenance
G	Ground Alert/Operational Ready Not Degraded
H	Ground Alert/Operational Ready Degraded
L	During Training or Maintenance on Equipment Utilized in a Training Environment
R	Quality Control Check
S	Depot Level Maintenance
U	Nondestructive Inspection
V	During Unscheduled Calibration
W	In-Shop Repair and/or Disassembly for Maintenance
X	Engine Test Stand Operation
Y	Upon Receipt or Withdrawal from Supply Stocks
	FOR CONVENTIONAL AND NUCLEAR MUNITIONS
F	Unscheduled Inspection or Maintenance
G	Alert

8

Code	Description
H	Post Load
K	Before Load
L	During Training or Maintenance on Equipment Used in a Training Environment
N	During Load
R	Quality Control Check
S	Depot Level Maintenance
U	Nondestructive Inspection
V	During Unscheduled Calibration
W	In-Shop Repair and/or Disassembly for Maintenance
X	Mating/Demating
Y	Upon Receipt or Withdrawal from Supply Stocks

12. Units, Curr. This is the unit count of maintenance actions that were reported for the current month.

13. Units, One to Eleven. This is the unit count of maintenance actions that were reported during the previous one to eleven months depending on the period of data requested.

14. Hours, Curr. This is the number of labor hours expended on the maintenance action listed for the current month.

15. Hours, One to Eleven. This is the number of labor hours expended on the maintenance action listed for the previous one to eleven months depending on the period of data requested.

16. Total. At the end of the listing for each how malfunction code, a total of when discovered, actions and hours is listed. These are indicated by asterisks.

17. How Mal Summary. This is a summary by type of how malfunction code. This summary contains the following information:

a. Type. These are the type of how malfunction codes as explained in preceding Paragraph 6.

b. Units - When Disc. This is the number of units discovered during operation (OP), scheduled inspections (INS), and other (OTH) for each type of how malfunction code.

c. Units - True - Curr. This is the number of true maintenance actions reported during the current month for each type of how malfunction code. True maintenance actions consist of the following action taken codes and all types of How Malfunction codes, except the No Defect type:

Code	Description
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Softgoods
K	Calibrated - Adjustment Required
L	Adjust or Reset
P	Removed
R	Remove and Replace
Z	Corrosion Treatment

d. Units, True, One to Eleven. This is the unit count of true maintenance actions reported during the previous one to eleven months depending on the period of data requested. true maintenance actions are described in the preceding Paragraph 17c.

e. Units - Total - Curr. This is the total unit count of all maintenance actions reported during the current month for each type of how malfunction code.

f. Units, Total, One to Eleven. This is the total unit count of all maintenance actions reported during the previous one to eleven months for each type of how malfunction code.

g. Hours - True - Curr. This is the number of true labor hours during the current month and corresponding to true maintenance actions which are described in preceding Paragraph 17c.

h. Hours, True, One to Eleven. This is the number of true labor hours reported during the previous one to eleven months for each type of how malfunction code.

i. Hours - Total - Curr. This is the total number of all labor hours reported during the current month for each type of how malfunction code.

j. Hours, Total, One to Eleven. This is the total number of all labor hours reported during the previous one to eleven months for each type of how malfunction code.

18. Current Month Maintenance Action Summary. For each of the action taken codes, a summary of the actions taken during the current month is listed as follows: (Unauthorized action taken codes are listed under the column "OTH" indicating others.) An Asterisk beside Action Taken Codes F, G, K, L, P, R, and Z indicates true actions:

a. Units Compl. This is the number of units completed for each action taken code.

b. % Units Compl. This is the percent of the total units completed that applies to the particular action taken.

c. Whole Hours. This is the total labor hours expended for the action taken that is indicated.

19. Previous One to Eleven Months Maintenance Action Summary. This is the previous one to eleven months maintenance action summary containing the same information as described in Paragraph 18 for the current month summary.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted through command channels to HQ AFLC/MMOMA, Wright-Patterson AFB, Ohio 45433.

SMALC DETAIL MAINTENANCE ACTIONS FOR SELECTED WORK UNIT CODES PCN 00568[illegible]5503
F8111A ACF KEL007. PERIOD ENDING 75 JAN 31 FORMERLY 3-LOG-K261 RCS LOG-[illegible]7163
WUC 23ABD NUF,BRNG RETAINING CAT IND B

TYPE	HOW MAL CODE	HOW MAL NOUN	ACTION	BASE	SERIAL NUMBER	WHEN DISCOVERED OP	WHEN DISCOVERED INS	WHEN DISCOVERED OTH	UNITS CURR	UNITS ELEVEN	HOURS CURR	HOURS ELEVEN	
1	127	ADJUST IMPROP	L	PEASE AB 24F NH 007	0P675599			1		1	.0	1.5	
		TOTAL						1		1	.0	1.5	*
2	105	BOLTS LOOSE	G	PLATSBRG 24F NY	68000280		1			1	.0	1.5	
		TOTAL					1			1	.0	1.5	*
6	799	NO DEFECT	Q	PEASE AB 24F NH 007	0P674970			1		1	.0	1.0	
				007	0P675593			1		1	.0	1.0	
				007	0P675614			1		1	.0	5.0	
				007	0P675615			1		1	.0	.3	
				007	0P675618			1	1		2.0	.0	
				007	0P675643			1		1	.0	1.0	
				PLATSBRG 24F NY 007	0P674990			1	1		6.0	.0	
			U	PLATSBRG 24F NY 007	0P675572			1		1	.0	2.0	
		TOTAL						8	2	6	8.0	10.3	*
	80C	NO D FAC MAIN	P	PEASE AB 24F NH 007	0P674972			1		1	.0	.5	
				007	0P675592			1		1	.0	2.7	
			S	PEASE AB 24F NH 007	0P675631			1		1	.0	3.0	
		TOTAL						3		3	.0	6.2	*

HOW MAL SUMMARY

	UNITS WHEN DISCOVERED OP	INS	OTH	UNITS TRUE CURR	ELEVEN	UNITS TOTAL CURR	ELEVEN	HOURS TRUE CURR	ELEVEN	HOURS TOTAL CURR	ELEVEN
1 FAILURE			1		1		1	.0	1.5	.0	1.5
2 OTHER MAL		1			1		1	.0	1.5	.0	1.5
6 NO DEFECT			11			2	9			8.0	16.5
TOTAL		1	12		2	2	11	.0	3.0	8.0	19.5

CUR MONTH MAINTENANCE ACTION SUMMARY

ACTION CODES	*F	*G	H	J	*K	*L	M	N	*P	Q	*R	S	T	U	V	X	Y	*Z	OTH
UNITS COMPL										2									
% UNITS COMPL	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WHOLE HOURS										8									

ELEVEN PREV MO. MAINTENANCE ACTION SUMMARY

ACTION CODES	*F	*G	H	J	*K	*L	M	N	*P	Q	*R	S	T	U	V	X	Y	*Z	OTH
UNITS COMPL		1				1			2	5		1		1					
% UNITS COMPL	.0	9.1	.0	.0	.0	9.1	.0	.0	18.2	45.5	.0	9.1	.0	9.1	.0	.0	.0	.0	.0
WHOLE HOURS		2				2			3	8		3		2					

FOREWORD

TITLE: Detail Shop Actions for Selected Work Unit Codes and/or Parts Replaced During Repair.

SOURCE: AFM 66-1, T.O. 00-20-2 series, "off" equipment work reported on AFTO Form 349.

FREQUENCY: Demand Only (on specific request submitted in accordance with AFLCM 66-15, Chapter 6, Section B). This report can be produced only when the request also includes a requirement for the RCS: 3-LOG-K261.

CONTENTS:

1. This report when requested provides one to twelve months of "off" equipment data in support of "on" equipment data produced in the RCS: 3-LOG-K261. Some of the request options permitted by AFLCM 66-15, Chapter 6, Section B, however, may cause data in this report to be misleading. For example, the RCS: 3 and 4-LOG-K261 reports are requested for Action Taken Code "P"--the computer then selects out only those "on" and "off" equipment cards that contain Action Taken Code "P". The RCS: 4-LOG-K261 report will not reflect shop actions taken that relate to the "on" equipment removals. It will merely relate actions taken in the shop environment on the specified Work Unit Code that contain Action Taken Code "P". Also, the RCS: 3 and 4-LOG-K261 reports could be requested for a NRTS action taken code. Since a NRTS action is not a legal "on" equipment code, the RCS: 3-LOG-K261 would be a negative report and the RCS: 4-LOG-K261 report would reflect the NRTS action.

2. This report is prepared in two parts as follows:

a. Detail Shop Actions for Selected Work Unit Codes. This part displays bench check and shop repair data on the work unit coded item being repaired after removal from the end article by part number, how malfunction code, action taken code, and base location.

b. Parts Replaced During Repair. This part displays parts replaced internally on an item while still installed on

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the end piece of equipment and on end items repaired at bench check or in the field maintenance shops showing how malfunction and base replacing the parts.

NOTE: The report, due to the method of reporting equipment classification codes, cannot be produced for Aerospace Ground Equipment (AGE).

USE: This report is used to further define apparent problem areas reflected by gross indicators. It is used as a companion report to the RCS: 3-LOG-K261 in support of accident investigations and special detail study requirements.

DESCRIPTION:

1. Responsible Logistic Management Organization and End Article Identification. In the upper left-hand corner of the report the System Manager Air Materiel Area and end article are identified. Also, the equipment type designator will be shown as well as separate operational areas of special interest, such as "SAC" for ground launched missile direct support real property installed equipment. Equipment identification will be reflected as follows:

a. For aircraft and related mobile training units, the modified mission symbol (if assigned), basic mission and type symbol, design number and series (if master record is built for specific series) is specified. For example, F100, T039, T038T or KC135A. The type designator identifying this equipment printed on the report is "ACF".

b. For air or ground launched missiles, the launch environment symbol, mission symbol, type symbol, design number and series symbol is specified. For example, AIM004A or LGM030B. The type designator identifying these equipments is "GLM" for ground and "ALM" for air.

c. For trainers and simulators, the last two characters of the equipment classification code and first two characters of the end article work unit code identifying the type is specified. For example, RADF000. The type designator identifying this equipment is "TRS".

d. For Missile Class 1 trainers, the type, model and series and an Alpha T are specified. For example, LGM30BT. The type designator identifying this equipment is "TRS".

e. For ground communications-electronic-meteorological equipment (except L systems), the type, design number and series (if the master record is built for a specific series) is specified. For example, FPS006A. The type designator identifying this equipment is "CEM".

f. For ground communications L systems, the designation, and the three-character equipment classification code is specified. For example, 466L6A1. The type designator identifying this equipment is "CEM".

g. For aircraft engines, the basic engine type and model, and the last two characters of the equipment classification code for the aircraft in which the engine is installed is specified. For example, TF033BP. The type designator identifying this equipment is "ENG".

h. For munitions, a W to indicate munitions and the first three characters of the work unit code identifying the munitions item. For example, W RVS00. The type designator identifying this type of equipment is "WEP".

i. For ground launched missile real property installed equipment, the letters RPIE, then the three-character equipment classification code designating the RPIE. For example, RPIE at Little Rock is specified as RPIERRT. The type designator identifying this equipment is "RPE".

2. Period Ending - This is the last day of the report month. The month indicates the most current effective period of data reflected in this report.

3. WUC - This is a listing of only those work unit codes that qualify for entry in this report under conditions described in "Contents" paragraph.

4. Noun - This is the noun(s) describing the work unit code.

5. Cat Ind - This is a category indicator assigned by the System Manager to the work unit code to specify one of the following:

Category Indicator	Description
A	Safety of Flight/Operation. This identifies work unit codes, which, upon failure or malfunction, would present a safety hazard to the end piece of equipment or operating personnel.
B	Mission Accomplishment. This identifies work unit codes, which upon failure or malfunction, would adversely affect mission accomplishment.
C	General Logistics. This includes work unit codes not assigned Category A or B that will be evaluated from a hi-valu, reliability, critical support and normal performance standpoint.

6. Detail Shop Actions for Selected Work Unit Codes - This title appearing in the heading of the report indicates the part of the report that describes the actions on items being repaired in the shop.

a. FSC - This column displays the Federal Supply Class of the item being repaired (Block 19 of AFTO Form 349).

b. Part Number - This column displays the part number of the item being repaired (Block 20 of the AFTO Form 349). When the data is processed through the computer, all dashes and slashes are removed between an alpha and a numeric character and between two alpha characters. Dashes and slashes between two numerics in a part number are not removed. Following are examples:

Reported As	Listed in Report As
9A-74-6	9A74-6
1-2MRS-D	1-2MRSD
9350-13-2	9350-13-2

All part number data that can be determined to be applicable to the Work Unit Code displayed will appear in this report, i.e., the "off" equipment card contains the correct equipment classification code and work unit code for which the report is prepared.

c. MMC - This is the materiel management code (two-position alpha code AA through ZZ) suffixed to Federal Stock Numbers (FSN's) to designate Item Management responsibility in terms other than by FSC's, i.e., weapon/support system, functional systems, commodity groupings, etc. These codes are listed in AFM 67-1, Volume I, Part Two, Chapter 2, and they will appear in this report as applicable when the reported FSC/part number receives a favorable match with the C4 master record (AFLCM 66-15, Chapter 3) in the computer.

d. FIIN - This is the seven-position Federal Item Identification Number assigned to the part number. It will appear in this report under the same criteria as in Paragraph c. above.

e. Mfr - This is a numeric code assigned to the manufacturer of the part number, and it will appear in this report under the same criteria as in Paragraph 1c above. These codes and the name of the manufacturer are listed in DLSC Handbooks H4-1 and H4-2.

f. How Mal, Type - This column groups all how malfunction codes (refer to AFLCM 66-15, Chapter 5, Section B) under four main types as follows:

Type Number	Description
0	Other - These are invalid how malfunction codes not authorized in AFM 300-4, Volume XI, and cannot be identified.
1	Failure - These codes, when used with the proper action taken codes, indicate that the item no longer can meet the minimum specified performance requirement due to its own internal failure pattern.
2	Other Malfunctions - These codes, when used with proper action taken codes, indicate that the item no longer can meet the minimum specified performance requirement due to some induced condition and not due to its own internal failure pattern.

Type Number	Description
6	No Defect - These codes indicate that maintenance resources were expended due to policy, modification, location or cannibalization and that no defect existed at the time of the maintenance action.

g. How Mal, Code and Noun(s) - These columns contain the how malfunction code and description reported on the part number listed. For example, 458 - out of balance.

h. Act - This column contains the bench check and shop action taken codes reported on the part number. The following action taken codes will be listed, where applicable:

Code	Description
A	Bench Checked and Repaired
B	Bench Checked - Serviceable (No Repair Required)
C	Bench Checked - Repair Deferred
D	Bench Checked - Transferred to Another Base
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Softgoods
J	Calibrated - No Adjustment Required
K	Calibrated - Adjustment Required
L	Adjust or Reset
M	Disassemble
N	Assemble
V	Clean
Z	Corrosion Treatment
1	Bench Checked - NRTS - (Not Reparable This Station) - Repair Not Authorized
2	Bench Checked - NRTS - Lack of Equipment, Tools or Facilities
3	Bench Checked - NRTS - Lack of Technical Skills
4	Bench Checked - NRTS - Lack of Parts
5	Bench Checked - NRTS - Shop Backlog
6	Bench Checked - NRTS - Lack of Technical Data
7	Bench Checked - NRTS - Excess to Base Requirements

Code	Description
8	Bench Checked - Returned to Depot
9	Condemned

i. Base - This column contains the name of the base that reported the action on the part number. For example, Carswell.

j. Units, Curr - This column contains the number of units completed on the part number listed for the current month on the WUC reported. For example, 3.

k. Units, One to Eleven - This column contains the number of units completed on the part number for the previous one to eleven months on the WUC reported. For example, 15.

l. Hours, Curr - This column contains the number of labor hours expended on the units completed for the current month. For example, 6.0.

m. Hours, One to Eleven - This column contains the number of labor hours expended on the units completed for the previous one to eleven months. For example, 30.2.

n. How Mal Total - This is a sub-total reflecting the total units and hours (current and previous one to eleven months) for all actions reported on the how malfunction code.

o. Part Number Total - This is a sub-total reflecting the total units and hours (current and previous one to eleven months) reported on the part number.

p. Six Months How Malfunction Summary - This is a summary by type of how malfunction code and action taken coding grouping which reflects for the current and previous one to eleven months the following:

(1) Repaired - This is the number of units reported as repaired by the following action taken codes:

Code	Description
A	Bench Checked and Repaired
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Softgoods
K	Calibrated - Adjustment Required
L	Adjust or Reset
Z	Corrosion Treatment

(2) Serviceable - This is the number of units reported as Bench Checked - Serviceable (No Repair Required) under Action Taken Code B.

(3) NRTS - This is the number of units reported as Not Reparable This Station (NRTS) under the following action taken codes:

Code	Description
1	Bench Checked - NRTS (Not Reparable This Station). Repair Not Authorized.
2	Bench Checked - NRTS - Lack of Equipment, Tools or Facilities.
3	Bench Checked - NRTS - Lack of Technical Skills.
4	Bench Checked - NRTS - Lack of Parts
5	Bench Checked - NRTS - Shop Backlog
6	Bench Checked - NRTS - Lack of Technical Data
7	Bench Checked - NRTS - Excess to Base Requirements
8	Bench Checked - Returned to Depot

(4) Condemned - This is the number of units reported under Action Taken Code 9 - Condemned.

(5) Other - This is the number of units reported under the following action taken codes:

Code	Description
C	Bench Checked - Repair Deferred
D	Bench Checked - Transferred to Another Base
J	Calibrated - No Adjustment Required
M	Disassemble
N	Assemble
V	Clean
X	Test - Inspect - Service
Y	Trouble-shoot

7. Parts Replaced During Repair - This title appearing in the heading of the report indicates the part of the report that describes the parts used in repairing the items displayed in the first part of the report (refer to Paragraph 6).

a. Refer to Paragraphs 1, 2, 3, and 4 under Description for entries in upper left-hand corner of this part of the report.

b. FSC - This column displays the FSC's of the parts replaced during repair (Block 29a of AFTO Form 349).

c. Part Number - This column displays the part numbers of the parts replaced during repair (Block 29b of AFTO Form 349).

d. How Mal, Type, Code and Noun - Refer to descriptions in Paragraphs 6f and g.

e. Ref Sym/Noun - This column may either display a descriptive noun or reference symbol identifying an electronic circuit where the part being replaced was located.

f. Base - Refer to description in Paragraph 6i.

g. Quantity, Curr - This column displays the quantity of the part number that was replaced during the current month within the conditions and locations listed.

h. Quantity, One to Eleven - This column displays the quantity of the part number that was replaced during the previous one to eleven months (depending on the period of data requested) within the conditions and locations listed.

i. How Mal, Summary - A How Malfunction summary line print is entered and identified with single asterisk (*) immediately below the last entry for a given how malfunction code as it relates to a specific part number reflecting the total current and previous months quantity of the part replaced.

j. Part Number, Summary - A part number summary line print is entered and identified with two asterisks (**) immediately below the last entry for a given part number reflecting the total current and previous months quantity of the part replaced.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted through command channels to AFLC (MMOMA), Wright-Patterson AFB, Ohio 45433.

SAAMA DETAIL SHOP ACTIONS FOR SELECTED WORK UNIT CODES RCS 4-LOG-K261
F106A ACF PERIOD ENDING 70 MAY 31 DD5401128
WUC 74P01 SIGHT FIXED 464169 CAT IMD 8

FSC	PART NUMBER	MAC	FIIN	MFR	MDN MAL TYPE	MDN MAL CODE	MDN MAL NOUN	ACT	BASE	UNITS CURR	UNITS FIVE	HOURS CURR	HOURS FIVE	
		AY	9319558	82577	6	799	NO DEFECT	A	*UNIDENTIFIED*		6		18.8	
1270	464464-161	AY	9319558	82577	6	799	NO DEFECT	B	TYNDALL AFB FLA		11		23.9	
		AY	9319558	82577	6	799	NO DEFECT	B	WRTSMTH2AF MICH	1	6	1.5	7.2	
		AY	9319558	82577	6	799	NO DEFECT	X	DULUTH IAP MINN		1		3.5	
		AY	9319558	82577	6	799	NO DEFECT	X	HAMLTN AB CALIF		2		1.7	
						*MDN	MAL TOTAL			4	120	5.1	184.8	*
		AY	9319558	82577	6	804	NO D SCH MAIN	A	TYNDALL AFB FLA		1		2.8	
						*MDN	MAL TOTAL				1		2.8	*
		AY	9319558	82577	6	812	NO D EQ MAL	B	HAMLTN AB CALIF		3		6.5	
						*MDN	MAL TOTAL				3		6.5	*
					**PART NUMBER	TOTAL				9	303	19.8	620.4	**
	464464-162	AY	1351838	82577	1	135	STUCK OR JAM	F	WRTSMTH2AF MICH			1.2		
						*MDN	MAL TOTAL					1.2		*
		AY	1351838	82577	1	901	INTERMITTENT	C	WRTSMTH2AF MICH	1		.2		
						*MDN	MAL TOTAL			1		.2		*
		AY	1351838	82577	6	799	NO DEFECT	B	DULUTH IAP MINN		1		2.0	
		AY	1351838	82577	6	799	NO DEFECT	B	WRTSMTH2AF MICH	1	2	.7	1.8	
		AY	1351838	82577	6	799	NO DEFECT	X	WRTSMTH2AF MICH		1		1.5	
						*MDN	MAL TOTAL			1	4	.7	5.3	*
					**PART NUMBER	TOTAL				2	4	2.1	5.3	**
	464464-164				6	799	NO DEFECT	B	GRIFFISS AFB NY		1		2.6	
						*MDN	MAL TOTAL				1		2.6	*
					**PART NUMBER	TOTAL					1		2.6	**
	464464-181				1	037	FLUCTUATES	F	GRIFFISS AFB NY		1		3.0	
						*MDN	MAL TOTAL				1		3.0	*
					**PART NUMBER	TOTAL					1		3.0	**
	464464161				1	290	FAIL AUTO TST	F	LORING AAF ME		1		7.0	
						*MDN	MAL TOTAL				1		7.0	*
					6	799	NO DEFECT	B	LORING AAF ME		2		5.0	
						*MDN	MAL TOTAL				2		5.0	*
					**PART NUMBER	TOTAL					3		12.0	**
	46464-161				1	169	VOLTGE INCOR	C	HAMLTN AB CALIF		1		1.0	
						*MDN	MAL TOTAL				1		1.0	*
					6	799	NO DEFECT	B	KINGSLY FH OREG		1		1.8	
						*MDN	MAL TOTAL				1		1.8	*
					**PART NUMBER	TOTAL					2		2.8	**
	464641-161				1	169	VOLTGE INCOR	F	MINOT AB 2AF ND		1		3.0	
						*MDN	MAL TOTAL				1		3.0	*
					**PART NUMBER	TOTAL					1		3.0	**

SIX MONTHS MDN MALFUNCTIONED SUMMARY

TYPE	REPAIRED CURR	REPAIRED FIVE	SERVICEABLE CURR	SERVICEABLE FIVE	NRTS CURR	NRTS FIVE	CONDEMNED CURR	CONDEMNED FIVE	OTHER CURR	OTHER FIVE
1 FAILURE	5	104			1	1			2	42
2 OTHER MAL	1	1								
6 NO DEFECT		1	7	201						4
*TOTAL	6	106	7	201	1	1			2	46

SAAMA
P106A ACF
WUC 74PD1 SIGHT FIXED 464169 CAT IND B

PARTS REPLACED DURING REPAIR
PERIOD ENDING 70 MAY 31

FSC	PART NUMBER	NMC	HOW MAL TYPE	HOW MAL CODE	HOW MAL NOUN	REF SYM NOUN	BASE	QUANTITY CURR	QUANTITY FIVE	
1270	2005064-00		1	750	MISSING	EYEPIECE	DULUTH IAP MINN	1		
					*HOW MAL TOTAL			1		*
					**PART NUMBER TOTAL			1		**
	420830		1	020	WORN	LATCH	KINGSLY FH OREG		1	
					*HOW MAL TOTAL				1	*
					**PART NUMBER TOTAL				1	**
5945	MHX2051		1	160	CONTACT DEF	K26	ELMENDORF ALSKA		1	
					*HOW MAL TOTAL				1	*
			1	450	OPEN	K20	MALSTM 15AF MON		1	
					*HOW MAL TOTAL				1	*
					**PART NUMBER TOTAL				2	**
	MHYX1		1	160	CONTACT DEF	K3	DULUTH IAP MINN		1	
					*HOW MAL TOTAL				1	*
			1	450	OPEN	K15	GRIFFISS AFB NY		1	
					*HOW MAL TOTAL				1	*
					**PART NUMBER TOTAL				2	**
	950026-1		1	160	CONTACT DEF	K13	DULUTH IAP MINN		2	
			1	160	CONTACT DEF	K16	DULUTH MSL MINN		1	
			1	160	CONTACT DEF	K16	LORING 8AF ME		1	
			1	160	CONTACT DEF	K28	MALSTM 15AF MON		1	
			1	160	CONTACT DEF	K3	DULUTH IAP MINN		1	
			1	160	CONTACT DEF	K4	DULUTH IAP MINN		2	
			1	160	CONTACT DEF	STOCK	DULUTH IAP MINN		1	
					*HOW MAL TOTAL				9	*
			1	374	INTERNAL FAIL	K1	WRTSMTH2AF MICH	1		
					*HOW MAL TOTAL			1		*
			1	450	OPEN	K13	DULUTH IAP MINN		1	
			1	450	OPEN	K13	DULUTH MSL MINN		1	
			1	450	OPEN	K13	MINOT AB 2AF ND	1		
			1	450	OPEN	K13	WRTSMTH2AF MICH		1	
			1	450	OPEN	K15	MALSTM 15AF MON		1	
			1	450	OPEN	K15	TYNDALL AFB FLA		1	
			1	450	OPEN	K28	TYNDALL AFB FLA		1	
			1	450	OPEN	K7	DULUTH IAP MINN		1	
					*HOW MAL TOTAL			1	7	*
			1	567	RESIST HIGH	K3	DULUTH IAP MINN		1	
					*HOW MAL TOTAL				1	*
			1	615	SHORTED	K21	TYNDALL AFB FLA		1	
					*HOW MAL TOTAL				1	*
			1	901	INTERMITTENT	K9	MINOT AB 2AF ND		1	
					*HOW MAL TOTAL				1	*
					**PART NUMBER TOTAL			2	19	**
	950026-2		1	450	OPEN	K9	HAMLTN AB CALIF		1	
					*HOW MAL TOTAL				1	*
					**PART NUMBER TOTAL				1	**
	950026-3		1	450	OPEN	K16	DULUTH MSL MINN		1	
					*HOW MAL TOTAL				1	*

APPENDIX 4-5D
ATTACHMENT NO. 12

PCN: D056B5527
RCS: LOG-MMO(AR)7220

1 May 1973

FORWORD

TITLE: Maintainability Reliability Summary

SOURCE: AFM 66-1, T.O. 00-20-2 series, "On" and "Off" Equipment Work Reported on AFTO Form 349.

FREQUENCY: On demand only during the monthly processing cycle when requested in accordance with AFLCM 66-15, Chapter 6, Section B.

CONTENTS: This report provides twelve (12) months of data on a numeric system, subsystem, or work unit code (WUC) for aircraft only. Excluded from this report are all support general work unit codes, depot level maintenance data (type maintenance "R") and items withdrawn from supply stocks (when discovered code Y). The data selected includes 12 months of "on" equipment maintenance action occurrences and manhours and 12 months of "off" equipment (shop) units and manhours as reported on the AFTO Form 349. Also, twelve (12) months of AFM 65-110 fleet inventory and operating time from the G033B system are used in rate computations but not displayed on the report. Each demand request produces one or more pages of summary information depending on the type of request submitted. There are five report options available as follows:

a. A single five position WUC, one page.

b. A single three position WUC - subsystem summary, one page.

c. A single two position WUC - system summary, one page.

d. A single three position WUC - subsystem summary, one page, plus one page for each five position WUC within the subsystem.

e. A single two position WUC - system summary and one page for each subsystem and one page for each five position WUC within the system.

USE: This report is designed as a historical reference document presenting maintenance and failure rate data on items, subsystems, and systems within a weapon (an aircraft by MDS). These data are used by System Manager technicians, service

AFLC-WPAFB-MAY 73 950

engineers, and design engineers to assemble performance history books for evaluating design proposals, avoiding unreliable or high maintainability system characteristics during design, a determination of predominant failure modes, and whether or not base shop resource support is required.

DESCRIPTION:

1. Responsible Logistic Management Organization and End Article Identification. In the upper left-hand corner of each summary page of the report the System Manager Air Materiel Area and end article are identified. Equipment identification will be reflected as follows: the modified mission symbol (if assigned), basic mission and type symbol, design number and series (if master record is built for specific series) is specified. For example, F100, T039, or KC135A. Also, other header lines will display WUC and noun, quantity per application (QPA), demand request number and date span of information contained in the report. For example, Mar 1970-Feb 1971.

2. Immediately below the end article designator, the system, subsystem, or work unit code is identified along with the description and QPA - no system description or QPA can be printed on the report unless the B4 master contains this information. For example, 16-Escape Capsule, 16B-Stabilization Glove, or 16BBA-Parachute.

3. Maint Actions---Total Occr - There are three entries that appear under this heading, each of which is expressed as a rate computation per 1000 flight hours based on reported actions from the "on" equipment maintenance environment. The accumulation of maintenance actions for these entries is based on an occurrence count rather than a unit count (a count of one (1) per card). Cards with zero (0) units completed are excluded from this count and cards with a unit count greater than one (1) only count as one occurrence. Also, only selected how malfunction and action taken code combinations are considered. These occurrence rates are computed to the second position of the decimal and determined as follows:

a. Failure occr/1000 Flt Hrs - this entry is based on failure occurrence only which are defined as:

(1) any Type 1 how malfunction code in combination with an action taken code of F, K, L or Z.

(2) any Type 1 how malfunction code in combination with an action taken code of P, R or S provided the removed item was not found seviceable ("B" action taken code) at the bench check station.

NOTE: The computer definition describing a failure occurrence and the accumulation of failures for use in displaying data at the system/subsystem level (74XXX/741XX) is the same paragraph (1) and (2) above plus the "G" action taken codes reported in combination with any Type 1 how malfunction code. Accumulation of failure occurrences as related to "G" action taken code for display at system/subsystem level (74XXX/741XX) is further limited to a count of one (1) per job control number after first qualifying as an occurrence. To qualify as an occurrence, the RCS: LOG-MMO(AR)7142 card must contain a unit of one (1) or more - occurrence count is then based on a count of (1) per card regardless of the quantity of units greater than one (1) reflected in the card.

b. Oth Mal - This column displays other malfunction occurrences which are defined as:

(1) any Type 1 how malfunction code in combination with an action taken code of "G" at the five position work unit code level. The other malfunction occurrence accumulation and display at the system/subsystem level (74XXX/741XX) is not a direct accumulation of other malfunction occurrences of each WUC within the system/subsystem because at this level a part of the other malfunction occurrences are displayed as failures. See NOTE above.

(2) Type 2 How Mal Code and all action taken codes listed in paragraphs 3a(1) and (2) above.

c. Total - These are the total occurrences reported under all valid How Malfunction Codes (Types 1, 2, and 6) and all "action taken" codes listed in Paragraphs 3a(1) and (2) above plus E, H, J, V, and X.

NOTE: A listing of the specific how malfunction codes in each of these types is contained in AFLCM 66-15, Chapter 5, Section B.

d. The formula for the rate computations of paragraphs 3a, b, and c above is:

$$\text{Rate} = \frac{\text{QTY of occurrences (FAIL, OTH MAL OR TOTAL) X 1000}}{\text{Flying Time}} \times \frac{\text{Inventory from AFM 65-110}}{\text{Inventory in B4 Master}}$$

4. % Failure by When Disc Code - There are four entries that appear under this heading, each of which is expressed in percentage of failure occurrences (the percentage is rounded to the nearest whole number). As indicated in paragraph 3, failure occurrences are derived from "on" equipment actions.

a. Before Flight

$$\text{Percent Failure} = \frac{\text{Failure Occurrences Accumulated for when Discovered Codes A and B}}{\text{Failure Occurrences}} \times 100$$

b. In Flight

$$\text{Percent Failure} = \frac{\text{Failure Occurrences Accumulated for when Discovered Codes C and D}}{\text{Failure Occurrences}} \times 100$$

c. Between Flight

$$\text{Percent Failure} = \frac{\text{Failure Occurrences Accumulated for when Discovered Codes E,F,G,H,J,N,V and 3}}{\text{Failure Occurrences}} \times 100$$

d. During Inspection

$$\text{Percent Failure} = \frac{\text{Failure Occurrences Accumulated for when Discovered Codes K,M,P,Q,R,T,U,W,X,Z,2\&4}}{\text{Failure Occurrences}} \times 100$$

5. Maint Manhours/Flight Hour - There are three entries that appear under this heading, each of which is expressed as a manhour per flight hour rate and includes both "on" and "off" equipment manhours. These rates are computed to the third position of the decimal and are determined as follows:

a. On Equip -

$$\text{RATE} = \frac{\text{"On" Equipment Manhours}}{\text{Flight Hours}} \times \frac{\text{Inventory from AFM 65-110}}{\text{Inventory in B4 Master}}$$

b. Shop

$$\text{RATE} = \frac{\text{"Off" Equipment Manhours}}{\text{Flight Hours}} \times \frac{\text{Inventory from AFM 65-110}}{\text{Inventory in B4 Master}}$$

c. Total

$$\text{RATE} = \frac{\text{"On" and "Off" Equip Manhours}}{\text{Flight Hours}} \times \frac{\text{Inventory from AFM 65-110}}{\text{Inventory in B4 Master}}$$

6. Aborts/1000 Flt Hrs - There are two line entries under this heading, each of which is expressed as a rate computation per 1000 flight hours based on reported actions from the "on" equipment maintenance environment. These rates are computed to the third position of the decimal and are determined as follows:

a. Ground

$$\text{RATE} = \frac{\text{Aborts accumulated for X1000 when discovered Code A}}{\text{Flight Hours}} \times \frac{\text{Inventory from AFM 65-110}}{\text{Inventory in B4 Master}}$$

b. Flight

$$\text{RATE} = \frac{\text{Aborts accumulated for X1000 when discovered Code C}}{\text{Flight Hours}} \times \frac{\text{Inventory from AFM 65-110}}{\text{Inventory in B4 Master}}$$

7. Maint Actions----Failure occr. How Mal Code sub heading - Actions are displayed by how malfunctions code. Up to ten failure how malfunction codes (type 1) which contributed to the highest percentage of failure occurrences are displayed in descending order. All other how malfunction codes contributing to failure occurrences are grouped and displayed as OTHER with a composite percent computed. All extended entries relate only to the how malfunction codes listed as a result of qualifying under the above criteria and provide supplemental information.

a. Fail

$$\text{Percent} = \frac{\text{Failure occurrences by How Malfunction Code}}{\text{Total Failure Occurrences}} \times 100$$

The summation of percentages in the column should equal 100% with a possible variation of $\pm$ 1due to rounding to whole numbers.

b. Other - This column is based on the other malfunction occurrences for each how malfunction code listed. This accumulation is limited to type 1 how malfunction codes in combination with action taken code G. The summation of percentages in this column will probably always be less than 100% since only type 1 how malfunction codes have been considered.

$$\text{Percent} = \frac{\text{Other Malfunction Occurrences by How Malfunction Code}}{\text{Total Other Malfunction Occurrences}} \times 100$$

c. Total - This column is based on the total occurrences for each how malfunction code listed. This accumulation is limited to type 1 how malfunction codes in combination with action taken codes E, F, G, H, J, K, L, P, R, S, V, X, or Z. The summation of percentages in this column will probably always be less than 100% since only Type 1 How Malfunction Codes have been considered.

$$\text{Percent} = \frac{\text{Total Occurrences by How Malfunction Code}}{\text{Total Occurrences}} \times 100$$

d. Avg Manhours/Occr - This column is based on the accumulated "on" equipment manhours by how malfunction code which were associated with the total occurrences from paragraph c above.

$$\text{Avg Manhours/Occr} = \frac{\text{Manhours by How Malfunction Code}}{\text{Total Occurrences}}$$

8. Action Taken Code - There are three types of entries displayed under this heading which describe where selected actions took place and whether or not the actions corrected failure conditions or other discrepancies. Entries are expressed as a percentage and are determined as follows:

a. Flt Line Remove/Replace - This is "on" equipment data containing an "A" as the first character of the equipment classification code with an action taken code of P or R.

b. JEIM Remove/Replace - This is "on" equipment data containing an "X" first character of the equipment classification code with an action taken code of P or R.

c. Repaired in Place - This is "on" equipment data containing an "A" or "X" first character of the equipment classification code with an action taken code of "F".

d. The percent computations under the headings "Fail", "Other", or "Total" are based on the appropriate action taken codes of paragraphs a thru c above and in combination with type 1 how malfunction codes for "Fail"; type 2 how malfunction codes for "Other"; and type 1, 2 and 6 how malfunction codes for "Total".

e. Avg Manhours/Occr - This is a manhour rate per occurrence using the "total" occurrences accumulated for each line

entry of paragraphs a thru c above and the manhours associated with these occurrences plus the manhours on action taken code Q.

9. Maint Actions----Shop Units. How Mal Code sub heading. - Actions are displayed by how malfunction code. Up to ten how malfunction codes which contributed to the highest average manhour expediture per unit of production are displayed in descending order. All other how malfunction codes which contributed to an expenditure of manhours are grouped and displayed as OTHER with a composite rate computed.

10. Aircraft in this report - Listed under this heading are the individual Mission/Design/Series aircraft as identified by the assigned equipment classification codes that have been considered for inclusion in this report.

11. Action Taken Code - There are four line entries displayed under this heading which describe the types of action taken on items removed from the aircraft for shop repair or further disposition. Entries are expressed in percentages of total units processed and average manhours per unit produced.

a. Bench check serviceable - This is based on the accumulation of action taken code "B" related to total units processed and also the average manhours required to verify serviceability per unit.

b. Bench check and Repair - This is based on the accumulation of action taken codes A, F, G, K, L, V and Z related to the total units processed and the average manhours required to accomplish the bench check and repair per unit.

c. NRTS *1-8* - This is based on the accumulation of action taken codes 1 thru 8 related to the total units processed and the average manhours required to verify the condition status for disposition.

d. Condemned *9* - This is based on the accumulation of action taken code 9 related to the total units processed and the average manhours required to verify the condition status for disposition.

COMMENTS: All comments regarding the contents, use, and distribution of the report should be submitted through command channels to HQ AFLC, MMOMA, Wright-Patterson AFB, OH 45433.

SMAMA
F111A VMMOD
76 ELECT CNTRMEASURES CPA 12

MAINTAINABILITY RELIABILITY SUMMARY
JAN 1972 - DEC 1972

PCN DC56B5527
RCS LOG-MMO AR 7220

MAINT ACTIONS---TOTAL CCCR

FAILURE CCCR /1000 FLT HRS	.99
CTH MAL CCCR /1000 FLT HRS	.19
TOTAL CCCR /1000 FLT HRS	1.34

MAINT MANHOURS/FLIGHT HOUR

ON EQUIP	.007
SHOP	.045
TOTAL	.051

% FAILURE BY WHEN DISC CODE

BEFORE FLIGHT	
IN FLIGHT	16
BETWEEN FLIGHT	42
DURING INSPECTION	4[illegible]

ABORTS/1000 FLT HRS

GROUND	.000
FLIGHT	.000

R E M A R K S

MAINT ACTIONS---FAILURE CCCR

HOW MAL CODE	- - - P E R C E N T - - - FAIL	OTHER	TOTAL	AVG MANHOURS/CCCR
NO GO INDICATE	60		54	5.09
DEFECTIVE LAMP	18		13	2.00
INTERNAL FAIL	10		7	1.68
FAIL AUTO TST	3		2	1.30
HIGH VSWR	2		1	4.00
ADJUST IMPROP	2		1	1.0[illegible]
FAIL TO OPER	2		1	4.00
SCOPE FAULTY	2		1	3.50
SHEARED	2		1	4.50
VIDEO FAULTY	2		1	6.00
OTHER		92	13	2.46

ACTION TAKEN CODE			
FLT LINE REMOVE/REPLACE	98	83	4.13
JEIM REMOVE/REPLACE			
REPAIRED IN PLACE			

MAINT ACTIONS---SHOP UNITS

HOW MAL CODE	AVG MANHOURS/UNIT
LEAKING	7.00
NO GO INDICATE	5.40
FAIL TO OPER	4.85
	.09

AIRCRAFT IN THIS REPORT

F111A

ACTION TAKEN CODE	PERCENT	AVG MANHOURS/UNIT
BENCH CHECK SERVICEABLE	2	5.40
BENCH CHECK AND REPAIR	24	6.35
ARTS *1-8*	53	6.79
CONDEMNED *9*	3	7.00

APPENDIX 4-5D
ATTACHMENT NO. 13

PCN DO56B6528 1 May 75
RCS: LOG-MM(Q)7510

FOREWORD

TITLE: Cannibalization Actions - Command Summary.

SOURCE: AFM 66-1, TO 00-20-2 series on-equipment work reported on AFTO Form 349.

FREQUENCY: Quarterly.

CONTENTS: This report provides 12 months of information on cannibalization actions at base level by command by weapon system. The maintenance actions considered for this report are those which are a direct result of cannibalization actions and associated maintenance manhours that are reported by command for each base within that command and summarized by command. This report also reflects flying hours; current quarter figures and previous nine months totals. (Cannibalization is the authorized removal of a specific component from one end piece of equipment for installation on another to meet priority requirements, with the obligation of replacing the removed component.)

USE: This report is used by the commands to identify bases experiencing difficulties in obtaining parts, and to correlate cannibalization data with not operationally ready, supply (NORS) data reported.

DESCRIPTION:

1. In the upper lefthand corner of the report, the command reporting is identified.

2. In the (top) center of the report, the title and quarter ending date appear. The month indicates the time span of data included in the report. For example, 75 Mar 31.

3. MDS Base. This column identifies the Mission Design and Series (MDS) of the aircraft being reported on, and the base within the command reporting maintenance actions under action taken codes T and U.

4. Units, Manhours and Flying Hours by Month. These columns are for the current and two previous months as indicated, with the following data provided:

a. Units (T). This column displays the number of units subjected to cannibalization removals (action taken code T) for each base within a command, for the month indicated above.

b. M/HRS (T-U). This column displays the number of manhours (whole labor hours) reported on cannibalization (action taken codes T and U) for each base within a command, for the month indicated.

c. Flying Hours. This column displays the total flying hours on the end piece of equipment reflected in this report, for each base within a command, for the month indicated. (This is not total force hours.)

5. Current Quarter. These columns summarize for the current quarter, all data that appears by month in the preceding columns as follows:

a. Units (T). This column reflects the total number of units (action taken code T) for the current quarter.

b. Manhours (T-U). This column reflects the total manhours reported (action taken codes T and U) for the current quarter.

c. Flying Hours. This column reflects the total flying hours on the end piece of equipment (this is not total force hours) for the current quarter.

6. Previous 3 Quarters. These columns summarize the previous 9 months of cannibalization data not displayed in the monthly breakout of this report. Data appearing under these columns are used to provide a total of twelve (12) months accumulated cannibalization data on the end piece of equipment. (Previous 3 quarters, plus (+) current quarter, equals (=) 12 month total.

7. Weapon Totals. After all bases within a command reporting cannibalization actions for an end piece of equipment are listed, weapon totals for the data (paragraphs 4 through 6 above) are displayed under the applicable headings.

8. Command Totals: After all bases reporting cannibalization actions for a command are listed, command totals for that data (paragraphs 4 through 6 above) are displayed under the applicable headings.

COMMENTS: All comments regarding the contents, use and distribution of this should be submitted to AFLC/MMOMA, Wright-Patterson AFB, OH 45433.

CSV — CANNIBALIZATION ACTIONS - COMMAND SUMMARY — QUARTER ENDING 75 MAR 31

PCN D056B6528
RCS LOG-AMD<Q>7510

PDS	BASE	MARCH UNITS <T>	MARCH M/HRS <T-U>	MARCH FLYING HOURS	FEBRUARY UNITS <T>	FEBRUARY M/HRS <T-U>	FEBRUARY FLYING HOURS	JANUARY UNITS <T>	JANUARY M/HRS <T-U>	JANUARY FLYING HOURS	CURRENT QUARTER UNITS	CURRENT QUARTER MANHOURS <T-U>	CURRENT QUARTER FLYING HOURS	PREVIOUS 3 QUARTERS UNITS <T>	PREVIOUS 3 QUARTERS MANHOURS <T-U>	PREVIOUS 3 QUARTERS FLYING HOURS
B357																
RCHRCS GP AB MO		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
** B357 TOTALS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C118																
RCHRCS GP AB MO		3	0	6	2	6	16	0	11	38	5	17	60	11	103	386
** C118 TOTALS		3	11	6	2	6	16	0	0	38	5	17	60	11	103	386
C130																
RCHRCS GP AB MO		4	0	97	2	22	75	0	29	2	6	51	174	84	652	1125
** C130 TOTALS		4	22	97	2	22	75	0	6	2	6	51	174	84	652	1125
C130E																
CLARK AB PHILI		1	0	0	0	0	0	0	2	0	1	2	0	1	2	0
** C130E TOTALS		1	2	0	0	0	0	0	0	0	1	2	0	1	2	0
C140																
CLARK AB PHILI		0	0	0	0	0	7	0	0	38	0	0	45	2	18	842
RCHRCS GP AB MO		4	0	149	1	9	92	4	51	142	9	60	383	28	163	876
W ROGERS NG CAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
** C140 TOTALS		4	29	149	1	9	99	4	21	180	9	60	428	30	181	1718
T029																
RCHRCS GP AB MO		0	0	23	0	0	43	0	0	44	0	0	110	20	143	772
** T029 TOTALS		0	0	23	0	0	43	0	0	44	0	0	110	20	143	772
T039																
RCHRCS GP AB MO		0	0	64	0	0	66	0	0	83	0	0	207	1	9	711
WIESBADEN GER		4	0	114	2	14	112	0	13	94	6	27	320	13	108	789
** T039 TOTALS		4	8	178	2	14	172	0	0	177	6	27	527	14	117	1500
KC135A																
PICKAP AB HAWAI		0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
** KC135A TOTALS		0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
KC135E																
TINKER AFB OKLA		0	0	23	0	0	72	0	0	29	0	0	124	0	0	319
** KC135A TOTALS		0	0	23	0	0	72	0	0	29	0	0	124	0	0	319
*** CSV TOTALS		16	74	476	7	51	477	4	33	470	27	159	1423	161	1203	5820

END PRINT E N D P R I N T END PRINT

APPENDIX 4-5D
ATTACHMENT NO. 14

PCN DO56B6529 1 May 1975
RCS: LOG-MM(Q)7509

FOREWORD

TITLE: Cannibalization Actions - by Weapon System.

SOURCE: AFM 66-1, TO 00-20-2 series on-equipment work reported on AFTO Form 349.

FREQUENCY: Quarterly.

CONTENTS: This report provides 12 months of information on cannibalization actions at base level, by System Manager Air Logistic Center (ALC), by weapon system, by command. The maintenance actions considered for this report are those which are a direct result of cannibalization (action taken codes T and U). The actual number of cannibalization actions and associated maintenance manhours are reported by command for each base and summarized by weapon system. This report also reflects flying hours; current quarter figures and previous nine months totals. (Cannibalization is the authorized removal of a specific component from one end piece of equipment for installation on another to meet priority requirements, with the obligation of replacing the removed component.)

USE: This report is used by SM/IM ALC and AFLC to pinpoint and spotlight problem areas associated with excessive maintenance manhours resulting from cannibalization actions, and to identify bases experiencing difficulties in obtaining parts, for redistribution of items to correct the discrepancy in maintenance/supply support.

DESCRIPTION:

1. In the upper lefthand corner of the report, the system manager Air Logistic Center (ALC) and end article are identified.

2. In the (top) center of the report, the title and quarter ending date is displayed.

3. Command Base. This column identifies the command and base location within the command reporting maintenance actions under action taken codes "T" and "U".

4. Units, Manhours and Flying Hours by Month. These columns are for the current and two previous months as identified, with the following data provided:

a. Units (T). This column displays the number of units subjected to cannibalization removals (action taken code T) for each base within a command, for the month indicated above.

b. M/HRS (T-U). This column displays the number of manhours (whole labor hours) reported on cannibalization (action taken codes T and U) for each base within a command, for the month indicated.

c. Flying Hours. This column displays the total flying hours on the end piece of equipment reflected in this report, for each base within a command, for the month indicated (this is not total force hours).

5. Current Quarter. These columns summarize for the current quarter, all data that appears by month in the preceding columns as follows:

a. Units (T). This column reflects the total number of units (action taken code T) for the current quarter.

b. Manhours (T-U). This column reflects the total manhours reported (action taken codes T and U) for the current quarter.

c. Flying Hours. This column reflects the total flying hours on the end piece of equipment (this is not total force hours) for the current quarter.

6. Previous 3 Quarters. These columns summarize the previous 9 months of cannibalization data not displayed in the monthly breakout of this report. Data appearing under these columns are used to provide a total of 12 months accumulated cannibalization data on the end piece of equipment. (Previous 3 quarters, plus (+) current quarter, equals (=) 12 month total.

7. Command Totals. After all bases reporting cannibalization actions for a command are listed, command totals for that data (paragraphs 4 through 6 above) are displayed under the applicable headings.

8. Weapon Totals. After all commands reporting cannibalization actions for an end piece of equipment are listed, weapon totals for the data (paragraphs 4 through 6 above) are displayed under the applicable headings.

COMMENTS: All comments regarding the contents, use and distribution of this should be submitted to AFLC/MMOMA, Wright-Patterson AFB, OH 45433.

SAALC LC005A — CANNIBALIZATION ACTIONS - BY WEAPON SYSTEM — QUARTER ENDING 75 MAR 31 — PCN D056B6529 — RCS LOG-MM <0>7509

COMMAND BASE	MARCH UNITS <T>	MARCH M/HRS <T-U>	MARCH FLYING HOURS	FEBRUARY UNITS <T>	FEBRUARY M/HRS <T-U>	FEBRUARY FLYING HOURS	JANUARY UNITS <T>	JANUARY M/HRS <T-U>	JANUARY FLYING HOURS	CURRENT QUARTER UNITS <T>	CURRENT QUARTER MANHOURS <T-U>	CURRENT QUARTER FLYING HOURS	PREVIOUS 3 QUARTERS UNITS <T>	PREVIOUS 3 QUARTERS MANHOURS <T-U>	PREVIOUS 3 QUARTERS FLYING HOURS
AFR															
COVER AFB DELA	0	0	0	0	0	0	0		0	0	0	0	0	2	0
TRAVIS AFB CALF	0	0	0	0	2	0	0		0	0	2	0	1	6	0
** AFR TOTALS	0	0	0	0	2	0	0		0	0	2	0	1	8	0
LOG															
COVER AFB DELA	0	0	0	0	0	0	0		0	0	0	0	0	0	0
SAAMA MCC	0	0	0	0	0	0	0		0	0	0	0	11	73	0
** LOG TOTALS	0	0	0	0	0	0	0		0	0	0	0	11	73	0
MAC															
ANDSN AB BAF GU	0	0	0	0	0	0	0		0	0	0	0	3	3	0
CLARK AB PHILI	1	11	0	0	0	0	0		0	1	11	0	0	3	0
COVER AFB DELA	3	4	0	2	10	0	8	35	4	13	49	4	23	110	2455
HICKAM AB HAWAI	0	0	0	1	6	0	3	12	0	4	18	0	3	14	0
KDENA BAF RYUKU	0	0	0	0	0	0	0		0	0	0	0	9	19	0
RHEIN MAIN GER	0	0	0	0	0	0	0		0	0	0	0	2	4	0
TOREJON AFB SPN	0	0	0	0	0	0	0		0	0	0	0	1	6	0
TRAVIS AFB CALF	0	6	106	0	0	144	2	8	255	2	14	505	15	68	1630
YOKOTA AB JAPAN	0	0	0	0	0	0	0	0	0	0	0	0	2	13	0
** MAC TOTALS	4	21	106	3	16	144	13	55	259	20	93	509	58	243	4085
SYS															
COVER AFB DELA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRAVIS AFB CALF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
** SYS TOTALS	0	0	0	0	0	0	0		0	0	0	0	0	0	0
*** LC005A TOTALS	4	21	106	3	18	144	13	55	259	20	95	509	70	324	4085

RCS: LOG-MMO(AR)7188 APPENDIX 4-5D
PCN: DO56C4402 ATTACHMENT NO. 15

Formerly RCS: 2-LOG-K262 1 October 1970

FOREWORD

TITLE: Selected Part Number Action Summary (see attached illustration)

SOURCE: AFM 66-1, T. O. 00-20-2 series; T. O. 33-1-14; AFLCM 66-1, Part Two, Chapter 5, Off-Equipment work recorded on AFTO Forms 346 and 349.

FREQUENCY:

1. Monthly when the true actions (Base Repaired, NRTS, and Condemned units) and all how malfunction codes (except no defect and invalid codes) equal or exceed the computed or manual limit for a specific part number.

2. On demand when requested by one of the following as prescribed in AFLCM 66-15, Chapter 6, Section C:

a. Complete Federal Supply Class (FSC).

b. Selected Materiel Management Code (MMC) within a FSC.

c. Selected Expendability, Recoverability, Reparability Category (ERRC) code within a FSC.

d. Selected part number within a FSC.

e. Selected ERRC code within a MMC within a FSC.

f. Selected Federal Stock Number (FSN).

CONTENTS: This report provides a maximum of twelve months and a minimum of one month of summarized maintenance and repair data reported by AF bases and AFLC specialized repair activities (SRAs). This report is prepared for each IM AMA and the data contained therein is sequenced by Federal Item Identification Number (FIIN) within MMC (if applicable) within FSC within Technician Designator and AMA Management Division symbol.

USE: This summary is used as prescribed in AFLCM 66-15 to identify, document and act on the following:

AFLC-WPAFB-OCT 70 950

a. Identification of Potential Critical Items.

b. Identification of Items for Product Improvement.

c. Improving Support to Maintenance.

d. AF Reparable Generation Evaluation.

DESCRIPTION:

1. AMA, Management Division, Technician Designator, FSC and MMC Identification. In the upper left-hand corner of the report the responsible Item Manager Air Materiel Area, Management Division, Technician Designator, the assigned Federal Supply Class (FSC) and Materiel Management Code (MMC) are identified. These Air Materiel Areas (AMA's), FSC's and MMC's are listed in AFM 67-1, Volume I, Part Two, Chapter 2. For example, WRAMA is assigned FSC 1610, Aircraft Propellers, PP Propeller Systems. For demand requests, the request control number also appears in the upper left-hand corner of the report.

2. Period Ending - This is the last day of the report month. The month indicates the most current effective period of data reflected in this report. For example, 70 October 31.

3. FIIN - This column displays the seven-character Federal Item Identification Number assigned to the part number(s). This report will always display at least one part number as entered in the C4 master record. In case there is more than one part number applicable to the FIIN, all part numbers will be displayed in sequence in the part number column.

4. Part Number - This column displays the part number(s) applicable to the FIIN as described in Paragraph 3 above and displayed in the columns to the right is composite experience reported on all part numbers listed. This is the manufacturer's part number reported by field activities on which maintenance has been accomplished. When the data is computer processed, all dashes and slashes are removed between an alpha and numeric character or between two alpha characters. Dashes and slashes between two numerics in a part number are not removed. The following are examples:

Reported As	Listed in Report As
9A-74-6	9A74-6
1-2MRS-D	1-2MRSD
9350-13-2	9350-13-2

NOTE: Only those part numbers which can be identified in the Master Item Identification Control System (DO43) (MIICS) or by the IM and included in the C4 master record are included in this report.

5. C4 CTL - This column always displays an "A" or "9" to indicate whether the part number is under control of the Master Item Identification Control System (MIICS DO43) or under IM AMA control. (Refer to AFLCM 66-15, Chapter 3.)

6. Part Number Noun or Part Number - This column reflects the description of the part number(s) appearing in the part number column, Paragraph 4 above. Also, the part numbers displayed in part number column will be repeated in sequence in this column with the individual part number experience data displayed in the columns toward the right side of the report. On a demand request for data a message "* Negative - No Data *" will appear when there is no experience data available.

7. ERRC - This column identifies the Expendability-Recoverability-Repairability-Category Code assigned to the FIIN. The following codes are authorized:

ERRC Designator	ERRC Code	Expend-able*	Repair-able	Condemnation Level**	Category (Management)
XD1	C	Yes	Yes	Depot	Hi-Valu
XD2	T	Yes	Yes	Depot	XD items not selected for Hi-Valu
XF2	X	Yes	Yes	Field	Unit price $100 or more
XF3	P	Yes	Yes	Field	Unit price less than $100
XB2	V	Yes	No	User	See Paragraph 4c, Part II, AFM 67-1
XB3	N	Yes	No	User	Non-recoverable (field or depot)
ND2	S	No	Yes	Depot	AF equipment management system
NF2	U	No	Yes	Field	AF equipment management system

* This is a special AF term dealing with materiel accountability (see AFM 67-1, Vol. I, Part One, Chapter 9, Attachment 5, Paragraph 2, Part II for complete definition).

** Represents the lowest maintenance level at which condemnation is normally accomplished. Does not preclude condemnation at a lower level when the item meets the "condition condemned" criteria specified in AFM 67-1, Vol. I, Part One, Chapter 4, Paragraph 78. (The lowest condemnation level will also represent the highest maintenance level at which repair is normally accomplished).

8. Month - This is a listing of the current month and preceding eleven months. The asterisk (*) after a month indicates that the computed or manual control limit was equalled or exceeded. Only months for which experience data is available will be displayed. If any of the part numbers in the report have no field reported data, "NEG" will be reflected in this column.

9. Limits - The underlying columns display the control limit values which govern the production of this report and the RCS: 3 and 4-LOG-K262 reports.

a. Com - This column reflects the control limits by month which are automatically computed within the computer by applying the following formula:

$$\text{Computed Limit} = \text{Monthly Average} + 3\sqrt{\text{Monthly Average}}$$

NOTE: The average is determined by dividing the sum of true maintenance actions for all months listed by the number of months considered in the report. True maintenance actions consist of the following action taken codes and all how malfunction codes, except the No Defect and Invalid codes, reported from AF bases as Off-Equipment data.

Code	Description
A	Bench Checked and Repaired
1	Bench Checked - NRTS (Not Reparable This Station), Repair Not Authorized.
2	Bench Checked - NRTS - Lack of Equipment, Tools or Facilities.
3	Bench Checked - NRTS - Lack of Technical Skills.
4	Bench Checked - NRTS - Lack of Parts.
5	Bench Checked - NRTS - Shop Backlog.
6	Bench Checked - NRTS - Lack of Technical Data.
7	Bench Checked - NRTS - Excess to Base Requirements.

Code	Description
8	Bench Checked - Returned to Depot Facility by Direction of SM or IM.
9	Bench Checked - Condemned
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Softgoods.
K	Calibrated - Adjustment Required.
L	Adjust or Reset
Z	Corrosion Treatment

b. Man - This column reflects the manual control limit if placed in the master record by the Item Manager (IM) Air Materiel Area. This limit is based on an allowable number of true maintenance actions considering normal "wear and tear". Whenever a manual control limit is inserted, it takes precedence over the machine computed control limit.

10. True Action - This column reflects the quantity of true maintenance actions by month using the definition of Paragraph 9a above. It is the quantity reflected in this column that is compared to the failure limit (computed or manual) for production of the RCS: 2, 3 and 4-LOG-K262 reports. No attempt should be made to correlate the quantities of this column with quantities appearing under "Base" or "SRA".

11. Base - The underlying columns display the types of actions performed in the intermediate level maintenance shops:

a. Rep - This column reflects the quantity repaired, calibrated, and treated for corrosion. Repair is determined from the following action taken codes:

Code	Description
A	Bench Checked and Repaired
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Softgoods.
K	Calibrated - Adjustment Required
L	Adjust or Reset
Z	Corrosion Treatment

b. NRTS - This column reflects the quantity that were reported Not Reparable This Station (NRTS) and were returned to a depot facility or to a Specialized Repair Activity for overhaul. NRTS is determined from the following action taken codes:

Code	Description
1	Bench Checked - NRTS (Not Reparable This Station) - Repair Not Authorized.
2	Bench Checked - NRTS - Lack of Equipment, Tools or Facilities.
3	Bench Checked - NRTS - Lack of Technical Skills
4	Bench Checked - NRTS - Lack of Parts
5	Bench Checked - NRTS - Shop Backlog
6	Bench Checked - NRTS - Lack of Technical Data
7	Bench Checked - NRTS - Excess to Base Requirements.
8	Bench Checked - Returned to Depot Facility by SM/IM

c. Cond - This column reflects the quantity that could not be repaired at base level and were processed for condemnation, reclamation or salvage. This is determined from Action Taken Code 9, "Condemned".

d. Serv - This column reflects the quantity that were bench checked, found serviceable and no repair required at base level. This is determined from Action Taken Code B, "Bench Checked - Serviceable (No Repair Required)".

e. Othr - This column reflects the quantity that had maintenance actions other than repair, NRTS, condemned or serviceable at the intermediate level. This is determined from the following action taken codes:

Code	Description
C	Bench Checked - Repair Deferred.
D	Bench Checked - Transferred to Another Base.
J	Calibrated - No Adjustment Required.
M	Disassemble
N	Assemble
V	Clean
X	Test-Inspect-Service

12. SRA - The underlying columns display the types of actions performed in AFLC Specialized Repair Activities (SRA) or at maintenance contractor facilities:

a. Rep - Repair is determined from the same range of action taken codes listed in preceding Paragraph 11a.

b. NRTS - NRTS is determined from the action taken codes listed in preceding Paragraph 11b.

c. COND - SRA condemnations are determined from the action taken code listed in preceding Paragraph 11c.

d. SERV - SRA serviceables are determined from action taken code B listed in preceding Paragraph 11d.

e. OTHR - This is determined from the action taken codes listed in preceding Paragraph 11e.

NOTE: SRA or contractor data is separated from AF base data by the ACN 3-201 base code punched in Columns 62-65 of the punched card.

13. FIIN TOTAL - This line entry is a composite quantity reflecting the total experience data available on all part numbers listed.

14. Part Number Total - This line entry reflects the quantity for individual part numbers as listed.

COMMENTS: All comments regarding the use, contents and distribution of this report should be submitted through command channels to AFLC (MMOMA), Wright-Patterson AFB, Ohio 45433.

WRAMA 1280 N MA DEMAND WRXXXX

SELECTED PART NUMBER ACTION SUMMARY
PERIOD ENDING 70 OCT 31

RCS NO.: 2-LOG-K262

FIIN	PART NUMBER	C4 CTL	PART NUMBER NOUN OR PART NUMBER	ERRC	MONTH	-LIMITS- COM	MAN	TRUE ACTNS	BASE REP	BASE NRTS	BASE COND	BASE SERV	BASE OTHR	SRA REP	SRA NRTS	SRA COND	SRA SERV	SRA OTHR
025 1931	614000	A	COMPUTER PITCH ROLL	T	SEP	* 54	48	48	15	30		1	6	25			1	
	6140000	9		T	AUG	46	48	36	7	28			3	20				
					JUL	43	48	30	7	15		6	4	26				
					JUN	44	48	36	10	22			6	20				
					MAY	44	48	36	11	24		6	1	25				
					APR	43	48	37	9	24			5	17				
					MAR	43	48	35	7	26			4	18			2	
					FEB	43	48	37	10	23		2	3	25				
					JAN	43	48	36	11	18			1	23				
					DEC	43	48	28	8	25				20				
					NOV	43	48	35	14	22			2	23			4	
					OCT	43	48	36	8	23		5	1	18				
					FIIN TOTAL			430	117	280		20	36	260			7	
		A	614000		SEP			15	3	10			2	10				
					AUG			36	7	28			3	20				
					JUL			6	1	4		1	1	6				
					MAY			36	11	24		6	1	25				
					MAR			35	7	26			4	18			2	
					NOV			35	14	22			2	23				
				PART NUMBER TOTAL				163	43	114		7	13	102			2	
		9	6140000		SEP			33	12	20		1	4	15				
					JUL			24	6	11		5	3	20			1	
					JUN			36	10	22			6	20				
					APR			37	9	24			5	17				
					FEB			37	10	23		2	3	25				
					JAN			36	11	18			1	23				
					DEC			28	8	25				20				
					OCT			36	8	23		5	1	18			4	
				PART NUMBER TOTAL				267	74	166		13	23	158			5	

PCS: LOG-MMO(AR)7189
PCN: D056C4403

APPENDIX 4-5D
ATTACHMENT NO. 16

Formerly RCS: 3-LOG-K262

1 October 1970

FOREWORD

TITLE: Maintenance Actions for Selected FIIN Numbers

SOURCE: AFM 66-1, T. O. 00-20-2 series, T. O. 33-1-14; AFLCM 66-1, Part Two, Chapter 5, Off-Equipment work recorded on AFTO Forms 346 and 349.

FREQUENCY:

1. Monthly when the control limit is equalled or exceeded and a "Selected Part Number Action Summary," RCS: 2-LOG-K262 is produced.

2. On demand when requested by one of the following as prescribed in AFLCM 66-15, Chapter 6, Section C:

a. Complete Federal Supply Class (FSC).

b. Selected part number within a FSC.

c. Selected equipment classification code within a part number within a FSC.

d. Selected work unit code within anequipment classification code within a FSC.

e. Selected how malfunction code within a FSC.

f. Selected how malfunction code within anequipment classification code within a FSC.

g. Selected how malfunction code within a work unit code within anequipment classification code within a FSC.

h. Selected FIIN within FSC.

i. Selected equipment classification code within a FIIN within a FSC.

j. Selected how malfunction code within a FIIN within a FSC.

k. Selected MMC within a FSC.

AFLC-WPAFB-OCT 70 950

l. Selected Action Taken Code within a FSC.

m. Selected Action Taken Code within an IM AMA.

CONTENTS: This report provides six months of Off-Equipment detail data on a specific item reflecting application, location, how malfunction and action taken codes. The report is layed out in three parts: Part I, Malfunction and Action Taken Summary; Part II, No Defect Actions; and, Part III, Action Summary by Base. The report is sequenced by part number within Federal Item Identification Number (FIIN) within Materiel Management Code (MMC) within Federal Supply Class (FSC) within Technician Designator (TD) and AMA Management Division.

USE: This report provides detail data to the IM AMA for analysis and in making determinations on whether or not the item(s) may approach critical supply status, require product improvement or is being subjected to maintenance malpractice as described in AFLCM 66-15.

DESCRIPTION:

1. Responsible Logistic Management Organization and Item Identification - In the upper left-hand corner of the report the Item Manager Air Materiel Area, the AMA Materiel Management Division, the technician designator and item are identified. The FSC, Materiel Management Code (MMC, MMAC), Federal Item Identification Number (FIIN) and Manufacturer's Part Number (P/N) are included as item identification. These identifiers are the FSC, example 1610, and MMC (MMAC), example PP propeller systems, as listed in AFM 67-1, Volume I, Part Two; the FIIN, the seven-digit numeric with dashes removed, example 4836204; and the manufacturer's part number as reported by field activities, example 322080. In addition, the C4 master record control indicator has been included for convenience. This will appear either as a "9" for MIICS control C4 record or "A" for IM AMA control C4 record. For demand requests, the request control number will be displayed to the right of the Technician Designator.

2. Period Ending - This is the last day of the report month. The month indicates the most current effective period of data reflected in this report.

3. Part I, Malfunction and Action Taken Summary:

a. How Mal - This column displays the how malfunction code(s) and noun(s) which describe the reported action. This part of the

report will only display valid how malfunction codes other than "No Defect" codes.

b. True Actions by Month - The underlying columns display the most recent six months quantity of true maintenance actions by month and a six month total reported with the individual how malfunction codes listed. True maintenance actions consist of the following action taken codes and all how malfunction codes, except the No Defect and Invalid codes, reported from AF bases and Specialized Repair Activities (SRA), as Off-Equipment data.

Code	Description
A	Bench Checked and Repaired
1	Bench Checked-NRTS (Not Reparable This Station), Repair Not Authorized.
2	Bench Checked-NRTS-Lack of Equipment, Tools or Facilities.
3	Bench Checked-NRTS-Lack of Technical Skills.
4	Bench Checked-NRTS-Lack of Parts.
5	Bench Checked-NRTS-Shop Backlog.
6	Bench Checked-NRTS-Lack of Technical Data.
7	Bench Checked-NRTS-Excess to Base Requirements.
8	Bench Checked-Returned to Depot Facility by Direction of SM or IM.
9	Bench Checked-Condemned.
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Softgoods.
K	Calibrated-Adjustment Required.
L	Adjust or Reset
Z	Corrosion Treatment

c. True M/Hrs - This column displays the manhours reported as required to correct the malfunction listed for those action taken codes described in Paragraph 3b above.

d. Rep A, F, G - This column displays the six months quantity of action taken codes A, F and G reported with the individual how malfunction codes listed.

e. Adj K, L - This column displays the six months quantity of action taken codes K and L reported with the individual how malfunction codes listed.

f. Corr Z - This column displays the six months quantity of action taken code Z reported with the individual how malfunction codes 170 or 667.

g. NRTS 1-8 - This column displays the six months quantity of action taken codes 1 through 8 reported with the how malfunction codes listed.

h. Cond 9 - This column displays the six months quantity of action taken code 9, condemned, reported with the individual how malfunction codes listed.

i. Total Actions - This column displays the six months quantity of all action taken codes reported with the individual how malfunction codes listed.

j. Total M/Hrs - This column displays the six months total manhours reported for the quantity of actions in the preceding column, Paragraph 3i above.

k. Aborts, W/Disc A and C - These two columns display the six months quantity of aborts reported with the individual how malfunction codes listed.

l. Quality, W/Disc R and Y - These two columns display the six months quantity of quality and storage discrepancies reported with the individual how malfunction codes listed.

m. Total Malfunctions - The last line entry of Part I displays the accumulated quantities of the individual columns in this part.

4. Part II, No Defect Actions:

a. How Mal - This column displays the how malfunction code(s) and noun(s) which describe "No Defect" report conditions. In addition, invalid how malfunction codes are listed as unidentified.

b. Maintenance Actions by Month - The underlying columns display the most recent six months quantity of maintenance actions by month and a six months total. All action taken codes are used in accumulating these quantities.

c. Maint M/Hrs - This column displays the manhours reported as required to verify the condition described by the how malfunction code listed.

d. Invalid How Mal/Act Combinations - The underlying columns display the six months quantity of actions reported which are incompatible with the how malfunction codes listed.

e. Total Actions - Same as Paragraph 3i above.

f. Total M/Hrs - Same as Paragraph 3j above.

g. Aborts, W/Disc A and C - Same as Paragraph 3k above.

h. Quality W/Disc R and Y - Same as Paragraph 3l above.

i. Total No Defects - The last line entry of Part II displays the accumulated quantities of the individual columns in this part.

5. Part III, Base, EAD, Action Summary:

a. Base and EAD - This column displays the base name as interpreted from the four alpha station code contained in Columns 62-65 of the RCS: 1-LOG-K97 cards. Immediately below each base listed the individual end articles or equipment classification codes will be listed as having maintenance shop actions reported on the part number and applicable to the end article(s). Equipment classification codes will appear in this column when end article cannot be interpreted, e.g., SSA, CXX, etc.

b. Abort 6 Mon - This column displays the six months quantity of aborts (When Discovered A or C) attributed to the base location/EAD combination.

c. Maint Act, Curr and Prev - These two columns display all of the maintenance actions reported against the part number for the current month and previous five months individually as they apply to the base location and end articles listed.

d. True Act, Curr and Prev - These two columns display the true maintenance actions (refer to Paragraph 3b) reported against the part number for the current month and previous five months individually as they apply to the base location and end articles listed.

e. All of the other columns displayed across the report contain individual increments of data reported under specific action taken codes or combinations thereof. Each set of two columns display current month and previous five months actions individually as these actions apply to the base location and end articles listed. Action taken codes and column headings are:

(1) Rep A, F, G, Curr and Prev.

(2) Adj K, L, Curr and Prev.

(3) Condemn 9, Curr and Prev.

(4) NRTS 1, Curr and Prev.

(5) NRTS 2, Curr and Prev.

(6) NRTS 4, Curr and Prev.

(7) NRTS 6, Curr and Prev.

(8) NRTS 1-8, Curr and Prev.

f. For each base location listed with more than one end article having reported actions there is a base total line entry displayed as * TOTAL.

g. After all base locations have been listed there is a part number total line entry displayed as ** P/N. This line entry displays a total of all reported actions for the bases listed. The computer will page eject on this line entry when more than one part number is applicable to the FIIN listed in the upper left-hand corner of the report. If there is only one applicable part number page eject occurs after FSN entries described in Paragraph 6.

6. At the end of the report there are summary line entries containing data on the complete Federal Stock Number (FSN) listed. If the FSN has more than one part number identified in the C4 master record as applicable to the FSN, these line entries will appear only at the end of Part III for the last part number on which there is accumulated data. These line entries are:

a. FSN Bas - Total actions reported by Air Force operational bases on the FSN.

b. FSN MOD - Total actions reported by AFLC Modification/IRAN facilities (organic and contractor, if applicable) on the FSN. These facilities are identified in the D056 A4 constant table with a "D" in Column 38.

c. FSN MRS - Total actions reported by AFLC depot level component repair facilities (MISTR items) (organic and contractor, if applicable) on the FSN. These facilities are identified in the D056 A4 constant table with an "M" in Column 38.

d. *** FSN - Total actions reported on the FSN.

PART III BASE - EAD - ACTION SUMMARY (TRUE ACTIONS INCLUDE SRA DATA)

EAD	ABORT 6 MON	*MAINT ACT* CURR	PREV	*TRUE ACT* CURR	PREV	REP-A,F,G CURR	PREV	ADJ-K,L CURR	PREV	CONDEMN 9 CURR	PREV	*NRTS 1* CURR	PREV	*NRTS 2* CURR	PREV	*NRTS 4* CURR	PREV	*NRTS 6* CURR	PREV	*NRTS 1-8* CURR	PREV
BASE NAME																					
XXX	0000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
XXXXXX	0000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
* TOTAL	0000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
BASE NAME																					
XXXXXXX	0000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
XXXXXXX	0000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
* TOTAL	0000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
** P/N	0000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
FSN-BAS	0000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
FSN-MOD	0000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
FSN-MRS	0000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
***-FSN	0000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000

NOTE: Parts I, II and III are compiled for each part number applicable to the FSN. The line entries of Paragraph 6 constitute a summary of experience data available on all part numbers applicable to the FSN.

7. For demand reports where there is no data produced one of the two following messages will be printed:

a. This demand is negative - no data found on the master file for the selection criteria given. This entry should be interpreted as either no reported data by field activities or no C4 master record for the item.

b. This demand is negative - not processed - too many demands - would exceed capacity of demand table. This entry indicates that the number of individual demand requests submitted within a particular FSC and AMA exceeded the capacity allocated in the computer program. Any demand request (refer to control number) bearing this message will have to be re-submitted.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted through command channels to Hq AFLC (MMOMA), WPAFB, Ohio 45433.

MGT DIV, TECH DESIG, CONTROL NO.

PAGE XXXX

SAAMA X XX DEMAND SAXXXX MAINTENANCE ACTIONS FOR SELECTED FIIN NUMBERS RCS: 3-LOG-K262

XXXX XX XXXXXXX XXXXXXXXXXXXXXX C4-9 PERIOD ENDING 70 SEP 30

FSC MMC FIIN P/N

PART I MALFUNCTION AND ACTION TAKEN SUMMARY (TRUE ACTIONS INCLUDE SRA DATA)

HOW MAL	*******TRUE ACTIONS BY MONTH******* APR	MAY	JUN	JUL	AUG	SEP	TOTAL	TRUE M/HRS	REP A,F,G	ADJ K,L	CORR Z	NRTS 1-8	COND 9	TOTAL ACTIONS	TOTAL M/HRS	*ABORTS* W/DISC A	C	*QUALITY* W/DISC R	Y
XXX	NOUN(S)																		
	0000	0000	0000	0000	0000	0000	000000	000000.0	00000	00000	00000	00000	00000	0000000	0000000.0	0000	0000	0000	0000
XXX	NOUN(S)																		
	0000	0000	0000	0000	0000	0000	000000	000000.0	00000	00000	00000	00000	00000	0000000	0000000.0	0000	0000	0000	0000
*	TOTAL MALFUNCTIONS																		
	0000	0000	0000	0000	0000	0000	000000	000000.0	00000	00000	00000	00000	00000	0000000	0000000.0	0000	0000	0000	0000

PART II NO DEFECT ACTIONS

HOW MAL	*******MAINT ACTIONS BY MONTH****** APR	MAY	JUN	JUL	AUG	SEP	TOTAL	MAINT M/HRS	x INVALID A,F,G	HOW MAL/ACTION COMBINATIONS K,L	Z	1-8	9	x TOTAL ACTIONS	TOTAL M/HRS	W/DISC A	C	W/DISC R	Y
XXX	NOUN(S)																		
	0000	0000	0000	0000	0000	0000	000000	000000.0	00000	.00000	00000	00000	00000	0000000	0000000.0	0000	0000	0000	0000
*	TOTAL NO DEFECTS																		
	0000	0000	0000	0000	0000	0000	000000	000000.0	00000	00000	00000	00000	00000	0000000	0000000.0	0000	0000	0000	0000

APPENDIX 4-5D

RCS: LOG-MMO(AR)7190
PCN: D056C4404

ATTACHMENT NO. 17

Formerly RCS: 4-LOG-K262

1 October 1970

FOREWORD

TITLE: Parts Replaced During Field or Depot Repair (See Attached Illustration)

SOURCE: AFM 66-1, TO 00-20-2 series, TO 33-1-14, AFLCM 66-1, Part Two, Chapter 5, Off-Equipment work recorded on AFTO Forms 346 and 349.

FREQUENCY:

1. Monthly when the control limit is equalled or exceeded and a "Maintenance Action for Selected FIIN Numbers" Report, RCS: 3-LOG-K262 is produced.

2. On demand when requested simultaneously with the RCS: 3-LOG-K262 report as prescribed by AFLCM 66-15, Chapter 6, Section C, for any one of the following report options:

a. Complete Federal Supply Class (FSC).

b. Selected part number within a FSC.

c. Selected equipment classification code within a part number within a FSC.

d. Selected work unit code within an equipment classification code within a FSC.

e. Selected FIIN within a FSC.

f. Selected equipment classification code within a FIIN within a FSC.

NOTE: No other demand options permissible for the RCS: 3-LOG-K262 should include a requirement for the RCS: 4-LOG-K262 because the selected data would be incorrect.

CONTENTS: This report provides six months of detailed maintenance data on those parts (bits and pieces) replaced on a component repaired at bench check, in field maintenance shops, by an AFLC Specialized Repair Activity (SRA) or contractor. These are all parts as shown in Block 20 of the AFTO Form 346 and Block 29 of the AFTO Form 349 that can be related to the component being repaired by matching job control numbers. This report is sequenced the same as the RCS: 3-LOG-K262, ie, by part number with Federal Item Identification Number (FIIN) within Materiel Management Code (MMC) within Federal Supply Class (FSC) within Technician Designator (TD) and AMA Management Division.

AFLC-WPAFB-NOV 70 950

USE: Bit and piece performance and usage is one of the major requirements for successful operation of the end items in which installed. Inadequate performance or high usage of bit and pieces is a definite contribution to other types of deficiencies. The data in this report is used to identify deficiencies in performance and usage of bit and pieces.

DESCRIPTION:

1. Responsible Logistic Management Organization and Item Identification - In the upper left-hand corner of the report the Item Manager Air Materiel Area, the AMA Materiel Management Division, the technician designator and item are identified. The FSC, Materiel Management Code (MMC, MMAC), Federal Item Identification Number (FIIN) and Manufacturer's Part Number (P/N) are included as item identification. These identifiers are the FSC, example 1610, and MMC (MMAC), example PP propeller systems, as listed in AFM 67-1, Volume I, Part Two; the FIIN, the seven-digit numeric with dashes removed, example 4836204; and the manufacturer's part number, example 322080. In addition, the C4 master record control indicator has been included for convenience. This will appear either as a "9" for MICS control C4 record or "A" for IM AMA control C4 record. For demand requests, the request control number will be displayed to the right of the Technician Designator.

2. Period Ending - This is the last day of the report month. The month indicates the most current effective period of data reflected in this report.

3. EAD - This column reflects the end article on which the component part was used. For aircraft and missiles, the mission, design and series is listed. For Army/Navy nomenclature ground Communications-Electronic-Meteorological equipment, the type, model, and series is listed. For other end articles, the equipment classification code is listed. For example, C005A, GYA010 or CT3.

4. Bit and Piece FSC - This column reflects the Federal Supply Class of the bit and piece item that was replaced. The Federal Supply Classes are listed in AFM 67-1, Volume I, Part Two, Chapter 2. For example, 6115 is the FSC for Generators and Generator Sets.

5. Bit and Piece Part Number - This column reflects the part number of the bit and piece item that was replaced. When the data is computer processed, all dashes and slashes are removed between an alpha and numeric character or between two alpha characters. Dashes between two numerics in a part number are not removed and slashes between two numerics are converted to dashes. For example, 910C202-3 is the part number of the bit and piece item replaced.

6. Reference Symbol - This column reflects the reference symbol used on communication, armament and electronics equipment. This symbol indicates the position within a circuit in which the replaced part was installed. For other components, a noun is listed describing the part that is replaced.

7. How Mal Code - This column reflects the how malfunction code describing the condition of the item (bit and piece) replaced during repair of the component.

8. How Mal Noun - This column interprets and displays the noun(s) describing the how malfunction code. If a numeric code is reported that is not authorized in AFM 300-4, Volume XI, the numeric code is printed and the noun reads "Unidentified."

9. Base Qty - This column reflects the quantity of the part (bit and piece) replaced at bench check or in the field maintenance shops of Air Force bases. This is shown as follows:

a. Curr - This is the quantity for the current month.

b. Five - This is the quantity for the previous five months.

10. SRA Mod - This column reflects the quantity of the part (bit and piece) replaced by AFLC or contractor Specialized Repair Activities (SRAs) accomplishing MOD/IRAN work or work on Advanced Configuration Management System aircraft or missiles. This is data prepared and submitted in accordance with AFLCM 66-1, Part Two, Chapter 5. This is shown as follows:

a. Curr - This is the quantity for the current month.

b. Five - This is the quantity for the previous five months.

11. SRA MISTR - This column reflects the quantity of the part (bit and piece) which is judged to be the primary cause of failure of the component part. This is the data generated from AFLC Specialized Repair Activities (SRAs) on selected Materiel Repair System items. This is shown as follows:

a. Curr - This is the quantity for the current month.

b. Five - This is the quantity for the previous five months.

12. Ref Sym Total - This is a line print (indicated by a single asterisk) displaying the total quantity of replacements of a given part number, at a specific position within the component being repaired. Refer to paragraph 6 above. This total line is displayed only when there are two or more how malfunction codes listed for the reference symbol.

13. Bit and Piece Total - This is a line print (indicated by two asterisks) displaying the total quantity of replacements of part numbers within the component being repaired. This total line is displayed only when two or more how malfunction codes are listed for the bit and piece part number.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted through Command Channels to AFLC (MMOMA), Wright-Patterson AFB, Ohio 45433.

AD-A052 240 ARINC RESEARCH CORP ANNAPOLIS MD F/G 15/5
LOGISTICS ASSESSMENT. VOLUME II. APPENDIXES.(U)
JUL 76
UNCLASSIFIED 1165-01-1-1490 F29601-75-C-0134 NL

5 OF 7
AD A052 240



OCAMA 6605 GD 9876167 610340 C4-A

PARTS REPLACED DURING FIELD OR DEPOT REPAIR
PERIOD ENDING 70 SEP 30

RCS 4-LOG-K262
D056C444A

EAD	FSC	PART NUMBER	REFERENCE SYMBOL	CODE	NOUN	BASE QTY CURR	BASE QTY FIVE	SRA MOD CURR	SRA MOD FIVE	SRA MISTR CURR	SRA MISTR FIVE
SSA	5930	935056-1	3A2453	374	INTERNAL FAIL		1				
	6615	604900-3	GYRO	135	STUCK OR JAM		1				
			VZ1	804	NO D SCH MAIN		1				
			XZ2	169	VOLTGE INCOR	1					
				374	INTERNAL FAIL		3				
				561	CANT ADJUST		1				
				631	BIAS VOLT INC		1				
				824	GYRO PRECESSES		1				
				*	REF SYM TOTAL	1	6				
			YZ	169	VOLTGE INCOR	1					
			YZ1	037	FLUCTUATES		1				
				374	INTERNAL FAIL		1				
				631	BIAS VOLT INC	1					
				*	REF SYM TOTAL	1	2				
			YZ2	037	FLUCTUATES	1					
				255	NO OUTPUT		1				
				631	BIAS VOLT INC		1				
				*	REF SYM TOTAL	1	2				
				**	BIT&PIECE TOTAL	4	12				
	6615	6049003	YZ1	037	FLUCTUATES	1					
F004C	3110	972074-1	BEARING	410	IMPROP LUBRIC						1
			BEARINGS	410	IMPROP LUBRIC					1	
				**	BIT&PIECE TOTAL					1	1
	3110	972082-2	AZCLUSTGE	410	IMPROP LUBRIC					2	
			BEARING	710	BEARING FAIL						1
				**	BIT&PIECE TOTAL					2	1

RCS: LOG-MMO(AR)7195
PCN: DO56C4417

APPENDIX 4-5D
ATTACHMENT NO. 18

Formerly RCS: 17-LOG-K262

FOREWORD

TITLE: Maintenance Reparable Processing Summary (See attached illustration).

SOURCE: AFM 66-1; T.O. 00-20-2 series; T.O. 00-20-10-6, "Off" equipment work reported on AFTO Forms 346 and 349.

FREQUENCY: Monthly (or less frequently at the option of the Item Manager Air Materiel Area - refer to AFLCM 66-15).

CONTENTS: This report provides a maximum of twelve months of data (12 months base period and current month or quarter, depending on the frequency option selected by the AMA within the 12 month period) of repaired, not repairable at this station (NRTS), and condemned data for specific FIINs and part numbers reported by bases and depot repair facilities. This report is prepared for each Item Manager Air Materiel Area according to the option selected. The data is assembled in management division and technician designator code sequence and FIIN sequence within MMC within FSC. Also, all part number variations are listed for each FIIN. This sequencing arrangement permits the AMA to distribute appropriate parts of the report to the equipment specialist of primary interest, if required.

USE: The Maintenance Data Branch uses the data in this report to determine quantity and types of shop actions being accomplished on part numbers and FIINs which have not breeched the exception criteria for production of RCS: 2, 3, and 4-LOG-K262 detail reports. It is also used to plot and follow trends on selected part numbers of special interest. The equipment specialist uses this data as prescribed in AFLCM 66-18, Chapter 8, to review, evaluate and revise, as necessary, factor changes or projections of the supply requirements computation in addition to the uses described above.

DESCRIPTION:

1. Responsible Logistic Management Organization, AMA Management Division, Technician Identification, Federal Supply Class (FSC), and MMC - In the upper left-hand corner, the Item Manager Air Materiel Area, AMA Management Division, Maintenance Technician (Equipment Specialist), Federal Supply Class and MMC are identified. No more than one technician designator and one FSC will appear on a single printed page of the report.

2. Quarter or Month Ending - This is the as of date of the report and indicates the most current effective period of data reflected in this report. For example, 71 Oct 31 indicates that the report has considered all available data from 1 November 1970 to 31 October 1971.

3. FIIN - This is the federal item identification number (FIIN) assigned to the listed part number(s). This is obtained from the Master Item Identification Control System (MIICS) or the C4 master record. For example, 8308539.

4. Part Number - This is the manufacturer's part number as reported by field activities. When the data is computer processed, all dashes and slashes are removed except between two numerics. All part numbers that are reported by field activity which vary to some degree in content or structure from the correct part number will be displayed in the report if the IM has entered the part number in the C4 master record and related it to the correct FIIN.

5. ERRC - This is a single character code to designate expendability, recoverability, repairability, category of the item. Only the following ERRC codes are listed in this report:

ERRC Designator	ERRC Code	Expend-able*	Repair-able	Condemnation Level **	Category (Management)
ND2	S	No	Yes	Depot	AF Equipment
XD1	C	Yes	Yes	Depot	Hi-Valu
XD2	T	Yes	Yes	Depot	XD items not selected for Hi-Valu
XF2	X	Yes	Yes	Field	Unit Price $100 or more

* This is a special AF term dealing with materiel accountability (see AFM 67-1, Vol. I, Part One, Chapter 9, Attachment 5, Paragraph 2, Part II for complete definition).

** Represents the lowest maintenance level at which condemnation is normally accomplished. Does not preclude condemnation at a lower level when the item meets the "condition condemned" criteria specified in AFM 67-1, Vol. I, Part One, Chapter 4 Paragraph 78. (The lowest condemnation level will also represent the highest maintenance level at which repair is normally accomplished).

6. Level of Rep - This is a level of repair designator to indicate the source of the data. Only the following designators are listed, when applicable:

Type	Data Source
B	Air Force Bases excluding depot repair facilities.
D	Depots (AFLC Specialized Repair Activities) and Contractors.

7. Total Rep Gen - This is the sum of the repaired, NRTS and condemned actions for each line entry.

8. Total Repair - This is the total number of the part that was repaired. This is determined from the units completed under the following action taken codes:

CODE	Description
A	Bench Checked and Repaired.
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Soft goods.
K	Calibrated - Adjustment Required.
L	Adjust.
Z	Corrosion Treatment.

9. Total Cond - This is the total number of the parts that could not be repaired and were processed for condemnation, reclamation or salvage. This is determined from the units completed for action taken code 9, "Bench Checked - Condemned".

10. % Cond - This is the percent based on the reparable generations (less NRTS) which were condemned. This is computed by the following formula:

$$\frac{\text{COND}}{\text{REP + COND}} \text{ X100 = XX.X\%}$$

11. Total NRTS - This is the total number of the part that was determined to be not reparable at base. This is determined from the units completed under the following action taken codes

Code	Description
1	Bench Checked - NRTS (Not Reparable This Station) Repair Not Authorized.
2	Bench Checked - NRTS - Lack of Equipment, Tools, or Facilities.

3

Code	Description
3	Bench Checked - NRTS - Lack of Technical Skills.
4	Bench Checked - NRTS - Lack of Parts.
5	Bench Checked - NRTS - Shop Backlog.
6	Bench Checked - NRTS - Lack of Technical Data.
7	Bench Checked - NRTS - Excess to Base Requirements.
8	Bench Checked - Returned to Depot Facility by Direction of the System Manager or Item Manager.

12. % NRTS - This is the percent of total reparable generations that were reported not reparable this station (NRTS). This is computed by the following formula:

$$\frac{\text{NRTS}}{\text{REP + NRTS + COND}} \quad \text{X100} = \text{XX.X\%}$$

13. *Adj % NRTS - This is an adjusted percent NRTS computed only on* items with an ERRC Code of C, T, and S and it is based on the quantity of NRTS Codes 1, 2, 3, and 6 divided by the quantity of reparable generations.

$$\frac{\text{NRTS CODES 1, 2, 3, 6}}{\text{REP GEN}} \quad \text{X100} = \text{XX.X\%}$$

14. NRTS - This is the quantity of NRTS actions reported against each of the authorized codes (1 thru 8) of paragraph 11 above. In addition to the quantity being displayed for NRTS Code 1, an asterisk (*) adjacent to the quantity denotes that there is no NRTS code indicator in the C4 master record for this item. When an asterisk appears adjacent to the quantity for NRTS Code 1, it is the responsibility of the IM technician to determine whether or not there are base repair restrictions on the item which makes it eligible for NRTS 1 return to the SRA. If it is determined that there are base repair restrictions on the item it is then the responsibility of the technician to place a NRTS code 1 indicator in Column 75 of the C4 master record without delay.

15. Summary total lines are displayed when any of the following situations exist:

a. Curr quarter or month part number total - when data is displayed from both sources of paragraph 6 above. This line print is also identified by a single asterisk "rep lvl" column.

b. Curr quarter or month FIIN totals - when data is displayed for more than one part number as being applicable to a single FIIN. This line print is also identified by two asterisks in the "rep lvl" column.

c. Last 12 month FIIN Total - This line entry will appear for each FIIN displayed. This line print will also be identified by three asterisks in the "rep lvl" column.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted to AFLC (MMOM), Wright-Patterson AFB, Ohio 45433.

AMA DIV/TECH FSC/MMC
OCAMA 1660

MAINTENANCE REPARABLE PROCESSING SUMMARY
MONTH ENDING 72 JUL 31

RCS 17-LCG-K262
COSEC4417

FIIN	PART NUMBER	ERRC	REP LVL	TOTAL REP GEN	TOTAL REPAIR	TOTAL COND	% COND	TOTAL NRTS	% NRTS	ADJ % NRTS	NRTS 1	2	3	4	5	6	7	8
0703871	F121-1043-1	T	B	15				15	100.0	100.0	15							
*** LAST 12 MCN FIIN TOTAL			B	175	5			170	97.1	97.1	170							
			D	19	19													
			***	194	24			170	87.6		170							
0703917	F141-1001-1	X	B															
*** LAST 12 MCN FIIN TOTAL			B	15	8			7	46.7		6*	1						
1228101	1060001-26	T	B	19	2			17	89.5	89.5	17							
	106000126	T	B	2	1			1	50.0	50.0	1							
			D	23	23													
* CURR MON PN TOTAL			*	25	24			1	4.0	4.0	1							
** CURR MON FIIN TOTAL			B	21	3			18	85.7	85.7	18							
			D	23	23													
			**	44	26			18	40.9	40.9	18							
*** LAST 12 MCN FIIN TOTAL			B	167	30			137	82.0	77.2	126	3		7			1	
			D	126	123			3	2.4	1.6	1	1		1				
			***	293	153			140	47.8	44.7	127	4		8			1	
1691933	1135T100-9	T	B	1				1	100.0	100.0	1*							
*** LAST 12 MON FIIN TOTAL			B	10				10	100.0	80.0	8*							2
6265445	F17000-24	T	B															
*** LAST 12 MON FIIN TOTAL			B	10	1			9	90.0	90.0	9							
6283587	F328C6-7	T	B	1				1	100.0	100.0	1							
*** LAST 12 MON FIIN TOTAL			B	22				22	100.0	100.0	22							

RCS: LOG-MMO(Q)7193
PCN: D056C5009

APPENDIX 4-5D
ATTACHMENT NO. 19

1 May 1968

FOREWORD

TITLE: USAF Command NRTS and Repaired Summary

SOURCE: AFM 66-1, T.O. 00-20-2 series, T.O. 33-1-14, and AFTO Form 349.

FREQUENCY: Quarterly (for quarters ending in March, June, September and December).

RCS NO.: 9-LOG-K262 (Specified in upper right-hand corner of the report).

CONTENTS: This report displays a three month period of summarized information on major command base level repair. The data pertains to quantities of Not Reparable This Station (NRTS) actions by NRTS code, condemned and repaired actions, and percentage computations reflecting the degree to which authorized base level repairs have been accomplished.

> **NOTE: The quantitative entries displayed in this report are not all of the repair/NRTS/condemned actions accomplished at base level. The entries represent only those items identified in the Federal cataloging system or manually entered into the computer by the Item Manager and that have an assigned ERRC code of XF or XD.**

USE: These data are used by Hq USAF and the major commands to determine the extent of, and the specific actions that are hindering the base repair program as specified in T.O. 00-20-3, Section 3.

DESCRIPTION:

1. Quarter Ending - This is the last day of the report quarter. The month indicates the most current effective period of data reflected in this report.

2. Command - This column identifies the major air command that reported NRTS, Repaired or Condemned actions. Actions listed as unidentified are those with an invalid command code entered in Column 67 of the RCS: LOG-K97 reports or reports received from agencies outside U.S. Air Force jurisdiction.

AFLC-WPAFB-JUL 68 950

3. Field A - Invalid 1 - This column reflects a unit count of part numbers that were reported as NRTS Code 1 "Repair Not Authorized" by field activities; however, the items so reported should have been repaired at base level. Only those items listed in Section IV of the appropriate -6 inspection manuals or the last section of the maintenance repair manuals for other equipment where -6 inspection manuals do not exist are valid NRTS Code 1 "Repair Not Authorized" items.

4. Field B - Units with Valid NRTS Actions:

a. 2 - This column reflects the number of NRTS actions reported by each command under action taken code 2, "Bench Checked - NRTS - Lack of Equipment, Tools or Facilities".

b. 3 - This column reflects the number of NRTS actions reported by each command under action taken code 3, "Bench Checked - NRTS - Lack of Technical Skills".

c. 4 - This column reflects the number of NRTS actions reported by each command under action taken code 4, "Bench Checked - NRTS - Lack of Parts".

d. 5 - This column reflects the number of NRTS actions reported by each command under action taken code 5, "Bench Checked - NRTS - Shop Backlog".

e. 6 - This column reflects the number of NRTS actions reported by each command under action taken code 6, "Bench Checked - NRTS - Lack of Technical Data".

5. Total A and B - This column reflects the total number of NRTS actions reported by each command under action taken codes 2 through 6 and invalid NRTS Code 1 action.

6. Field C - Repaired.

a. Units - This column reflects the number of units repaired. These repair units are reported under the following action taken codes:

Code	Description
A	Bench Checked and Repaired
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Softgoods

Code	Description
K	Calibrated - Adjustment Required
L	Adjust or Reset
Z	Corrosion Treatment

b. Hours - This column reflects the number of labor hours expended to repair the quantity of units listed.

7. Total A, B and C - This column reflects the total number of invalid NRTS 1, NRTS Actions 2 through 6 and repaired actions that appear under Fields A, B and C.

8. % Rep - Div C by A, B, C - This column reflects a percent repair computation based on the units repaired, Field C divided by the total unit count of Field A, Field B, and units repaired Field C. This computation indicates the capability of the command to repair at base level those items authorized for base level repair within the conditions stated in the Note under "Contents".

9. Field D - The quantities displayed under this Field are excluded from the repair computation of paragraph 8 above.

a. Valid 1 - This column reflects the number of units reported as a valid NRTS Code 1, "Bench Checked - Repair Not Authorized." (Refer to paragraph 3 above.)

b. Exces 7 - This column reflects the number of NRTS actions reported by each command under action taken code 7, "Bench Checked - NRTS - Excess to Base Requirements."

c. Direct 8 - This column reflects the number of actions reported by each command under action taken code 8, "Bench Checked - Returned to depot facility by direction of System Manager or Item Manager."

d. Cond - This column reflects the number of actions reported by each command under action taken code 9, "Bench Checked - Condemned."

10. Total A, B, C and D - This column reflects the total units displayed under Fields A, B, C and D.

11. % of Command - This line print under each command entry reflects a percentage computation of the units displayed in each column for the command divided by the command total units displayed in "Total A, B, C and D" column.

12. % of USAF - This line print under each command entry reflects a percentage computation of the units displayed in each column for the command divided by the worldwide total units displayed in that particular column.

13. Command Total - This line print appears after the last identifiable command listed and reflects the columnar totals of all identifiable commands.

14. Unident Total - This line print reflects the columnar totals of all commands which could not be identified.

15. World Wide - This line print reflects the overall columnar totals and includes both identified and unidentified commands.

COMMENTS: All comments regarding the use, contents and distribution of this report should be submitted through command channels to AFLC (MCMS), Wright-Patterson AFB, Ohio, 45433.

FOR OFFICIAL USE ONLY

USAF COMMAND NRTS AND REPAIRED SUMMARY

QUARTER ENDING 68 MAR 31

RCS: 9-LOG-K262

4-5D-149/4-5D-150

	FIELD A	- - - - - FIELD B - - - - - -						- -FIELD C - - -			% REP	- - - - - FIELD D - - - - - -				
COMMAND	INVALID 1	UNITS WITH VALID NRTS ACTIONS 2	3	4	5	6	TOTAL A&B	REPAIRED UNITS	HOURS	TOTAL AB&C	DIV C BY ABC	VALID 1	EXCES 7	DIRCT 8	COND 9	TOTAL ABC&D
ALASKAN AIR	429	2577	1	103		22	3132	6069	21542.7	9201	66.0	481	12		329	10023
% OF COMMAND	4.3	25.7	.0	1.0	.0	.2	31.2	60.6		91.8		4.8	.1	.0	3.3	100.0
% OF USAF	.5	20.2	.5	.5	.0	1.0	2.4	.8		1.1		.4	.2	.0	.3	.9
COMMAND TOTAL																
UNIDENT TOTAL																
WORLD WIDE																

END PRINT

END PRINT

END PRINT

END PRINT

FOREWORD

TITLE: Base NRTS and Repaired Summary

SOURCE: AFM 66-1, T.O. 00-20-2 series, T.O. 33-1-14, and AFTO Form 349.

FREQUENCY: Quarterly (for quarters ending in March, June, September and December).

RCS NO.: 10-LOG-K262 (Specified in upper right-hand corner of the report).

CONTENTS: This report displays a three month period of summarized information on bases within a major command relating to base level repair. The data pertains to quantities of Not Reparable This Station (NRTS) actions by NRTS code, condemned and repaired actions, and percentage computations reflecting the degree to which authorized base level repairs have been accomplished.

> NOTE: The quantitative entries displayed in this report are <u>not</u> <u>all</u> of the repair/NRTS/condemned actions accomplished at base level. The entries represent only those items identified in the Federal cataloging system or manually entered into the computer by the Item Manager and that have an assigned ERRC code of XF or XD.

USE: These data are used by the major commands to determine the extent of, and the specific bases that are hindering, the base repair program as specified in T.O. 00-20-3, Section 3.

DESCRIPTION:

1. Quarter Ending - This is the last day of the report quarter. The month indicates the most current effective period of data reflected in this report.

2. Responsible Command - In the upper left-hand corner of the report the major air command responsible for the reporting bases listed is identified.

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3. Base Name - This column identifies the reporting bases within the major air command reporting NRTS condemnations and repair actions.

4. Field A - Invalid 1 - This column reflects a unit count of part numbers that were reported as NRTS Code 1 "Repair Not Authorized" by the base listed; however, the items so reported should have been repaired at base level. Only those items listed in Section IV of the appropriate -6 inspection manuals or the last section of the maintenance repair manuals for other equipment where -6 inspection manuals do not exist are valid NRTS Code 1 "Repair Not Authorized" items.

5. Field B - Units with Valid NRTS Actions:

a. 2 - This column reflects the number of NRTS actions reported by each base under action taken code 2, "Bench Checked - NRTS - Lack of Equipment, Tools or Facilities".

b. 3 - This column reflects the number of NRTS actions reported by each base under action taken code 3, "Bench Checked - NRTS - Lack of Technical Skills".

c. 4 - This column reflects the number of NRTS actions reported by each base under action taken code 4, "Bench Checked - NRTS - Lack of Parts".

d. 5 - This column reflects the number of NRTS actions reported by each base under action taken code 5, "Bench Checked - NRTS - Shop Backlog".

e. 6 - This column reflects the number of NRTS actions reported by each base under action taken code 6, "Bench Checked - NRTS - Lack of Technical Data".

6. Total A and B - This column reflects the total number of NRTS actions reported by each base under action taken codes 2 through 6 and invalid NRTS Code 1 action.

7. Field C - Repaired:

a. Units - This column reflects the number of units repaired. These repair units are reported under the following action taken codes:

Code	Description
A	Bench Checked and Repaired
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Softgoods
K	Calibrated - Adjustment Required
L	Adjust or Reset
Z	Corrosion Treatment

b. Hours - This column reflects the number of labor hours expended to repair the quantity of units listed.

8. Total A, B and C - This column reflects the total number of invalid NRTS 1, NRTS Actions 2 through 6 and repaired actions that appear under Fields A, B and C.

9. % Rep - Div C by A, B, C - This column reflects a percent repair computation based on the units repaired, Field C divided by the total unit count of Field A, Field B, and units repaired Field C. This computation indicates the capability of the base to repair at base level those items authorized for base level repair within the conditions stated in the Note under "Contents".

10. Field D - The quantities displayed under this Field are excluded from the repair computation of Paragraph 9 above:

a. Valid 1 - This column reflects the number of units reported as a valid NRTS Code 1, "Bench Checked - Repair Not Authorized." (Refer to paragraph 3 above).

b. Exces 7 - This column reflects the number of NRTS actions reported by each base under action taken code 7, "Bench Checked - NRTS - Excess to Base Requirements."

c. Direct 8 - This column reflects the number of actions reported by each base under action taken code 8, "Bench Checked - Returned to depot facility by direction of System Manager or Item Manager."

d. Cond - This column reflects the number of actions reported by each base under action taken code 9, "Bench Checked - Condemned."

11. Total A, B, C and D - This column reflects the total units displayed under Fields A, B, C and D.

12. Command Total - This line print appears after the last base listed for the command indicated and reflects the command totals for each columnar entry.

COMMENTS: All comments regarding the use, contents and distribution of this report should be submitted through command channels to AFLC (MCMS), Wright-Patterson AFB, Ohio, 45433.

ALASKAN AIR

FOR OFFICIAL USE ONLY
BASE NRTS AND REPAIRED SUMMARY
QUARTER ENDING 68 MAR 31

RCS: 10-LOG-K262

BASE NAME	FIELD A	FIELD B						FIELD C			% REP	FIELD D				
	INVALID 1	UNITS WITH VALID NRTS ACTIONS 2	3	4	5	6	TOTAL A&B	REPAIRED UNITS	REPAIRED HOURS	TOTAL AB&C	DIV C BY ABC	VALID 1	EXCES 7	DIRCT 8	COND 9	TOTAL ABC&D
BETHEL AFS AL		621					621		.0	621	.0					621
CMPION.AFS AL		537					537	1	2.0	538	.2				4	542
CPE LISBRN AL		1					1	2	3.0	3	66.7					3
COMMAND TOTAL																

END PRINT

END PRINT

END PRINT

END PRINT

4-5D-155/4-5D-156

RCS: LOG-MMO(Q)71103
PCN: D056C5027

APPENDIX 4-5D
ATTACHMENT NO. 21

Formerly 27-LOG-K262

1 July 1969

FOREWORD

TITLE: Equipment NRTS and Repaired Summary

SOURCE: AFM 66-1, T.O. 00-20-2 series, T.O. 00-20-10-6, "off" equipment work reported on AFTO Forms 346 and 349.

FREQUENCY: Quarterly (For quarters ending in March, June, September and December).

CONTENTS: This report displays a three month period of summarized information on base level repair for each equipment classification code (EQ/CL) specified in AFM 300-4, Volume XI. The data pertains to quantities of Not Reparable This Station (NRTS) actions by NRTS code, condemned and repaired actions, and percentage computations reflecting the degree to which authorized base level repairs have been accomplished.

> NOTE: The quantitative entries displayed in this report are not all of the repair/NRTS/condemned actions accomplished at base level. The entries represent only those items identified in the Federal cataloging system or manually entered into the computer by the Item Manager and that have an assigned ERRC code of C, P, S, T, U or X.

USE: These data are used by Hq USAF, Hq AFLC and the Air Material Areas to evaluate the base repair and reparable generations on weapon/support systems or end articles that have an assigned equipment classification code.

DESCRIPTION:

1. AF Wide - The indicator in the upper left-hand corner indicates that this report includes all pertinent repair data received and processed on end articles listed.

2. Type Designator - The equipment type designator is listed below the AF Wide indicator to identify the category of the end articles listed. Each change of type designator starts on a new page. The following designators and definitions apply:

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Designator on Report	Description
SHOP	These are the Precision Measuring Equipment and Shop Equipment Classification Codes not Relatable to a Specific Type of Equipment.
ACF	Aircraft, Drones and Related Mobile Training Units.
CEM	Ground Communications-Electronic-Meteorological Equipment.
AGE	Aerospace Ground Equipment
GLM	Ground Launched Missiles
ALM	Air Launched Missiles
RPE	Real Property Installed Equipment
TRS	Trainers and Simulators
ENG	Engines
WEP	Munitions

3. EQ/CL - This column lists the first character of the equipment classification code identifying the end article. A description of these equipment classification codes is contained in AFM 300-4, Volume XI. The following first characters of the equipment classification code are listed under the type designators indicated with the second and third characters identifying the specific equipment:

Type Designator	First Character EQ/CL	Description
SHOP	H	Precision Measuring Equipment
	S	Shop Work
ACF	A	Aircraft and Drones
	G	Aerospace Ground Equipment
	T	Mobile Training Units
	X	Aircraft Engines
CEM	B, C	Ground Radio Equipment
	D, E	Ground Radar Equipment
	F	Ground Meteorological Equipment
	J	Ground Special Electronics
	K	Ground Fixed Wire Equipment
	1-9	L Systems

Type Designator	First Character EQ/CL	Description
AGE	G	Aerospace Ground Equipment Not Relatable to an Aircraft or Missile.
GLM	G	Aerospace Ground Equipment
	M	Ground Launched Missiles
	Q	Cryptologic Equipment
	T	Class 1 Trainer
	X	Gas Turbine Engine
ALM	G	Aerospace Ground Equipment
	N	Air Launched Missiles
	T	Mobile Training Units
	X	Gas Turbine Engines
ENG	X	Gas Turbine Engines for AGE
RPE	R	Real Property Installed Equipment
TRS	T	Class 1 Trainers
WEP	Y	Munitions

The following is an example of a type designator and equipment classification code listing on the report:

Type Designator	EQ/CL	Description
ACF	AFP	F-4C Aircraft
	GFP	Peculiar F-4C Aircraft AGE
	XFP	J-79 Engine in F-4C Aircraft

4. Command - This is a listing of the major commands that reported NRTS, Repaired or Condemned actions. Unidentified are those punched cards with an invalid command code in Column 67 or cards received from FAA, Royal Canadian Air Force or Royal Air Force. Only the following major command codes are listed:

Code	Command
AAC	Alaskan Air Command
ACD	U.S. Air Force Academy
ADC	Air Defense Command
AFE	U.S. Air Forces in Europe
LOG	Air Force Logistics Command
SYS	Air Force Systems Command
ATC	Air Training Command
AU	Air University
SOU	USAF Southern Command
AFR	Air Force Reserve
HQC	Headquarters Command
MAC	Military Airlift Command
PAF	Pacific Air Forces
SAC	Strategic Air Command
TAC	Tactical Air Command
USS	USAF Security Service
CSV	Air Force Communications Service
ANG	Air National Guard
UNID	Unidentified
USC	U.S. Strike Command

5. NRTS Actions - Inv 1 - This column reflects a unit count of part numbers that were reported as NRTS Code 1 "Repair Not Authorized" by field activities; however, the items so reported should have been repaired at base level. Only those items listed in Section IV of the appropriate -6 inspection manuals or the last section of the maintenance repair manuals for other equipment where -6 inspection manuals do not exist are valid NRTS Code 1 "Repair Not Authorized" items.

6. NRTS Actions - 2 - This column reflects the number of NRTS actions reported by each command under Action Taken Code 2, "Bench Checked - NRTS - Lack of Equipment, Tools or Facilities."

7. NRTS Actions - 3 - This column reflects the number of NRTS actions reported by each command under Action Taken Code 3, "Bench Checked - NRTS - Lack of Technical Skills."

8. NRTS Actions - 4 - This column reflects the number of NRTS actions reported by each command under Action Taken Code 4, "Bench Checked - NRTS - Lack of Parts."

9. NRTS Actions - 5 - This column reflects the number of NRTS actions reported by each command under Action Taken Code 5, "Bench Checked - NRTS - Shop Backlog."

10. NRTS Actions - 6 - This column reflects the number of NRTS actions reported by each command under Action Taken Code 6, "Bench Checked - NRTS - Lack of Technical Data."

11. NRTS Actions - Total - This column reflects the total number of NRTS actions reported by each command under Action Taken Codes 2 through 6 and invalid NRTS Code 1 action.

12. Rep Actions - Units - This column reflects the number of units repaired. These repair units are reported under the following action taken codes:

Code	Description
A	Bench Checked and Repaired
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Softgoods
K	Calibrated - Adjustment Required
L	Adjust or Reset
Z	Corrosion Treatment

13. Rep Actions - Hours - This column reflects the number of labor hours expended to repair the quantity of units listed.

14. Total NRTS & Rep - This column reflects the total number of invalid NRTS 1, NRTS Actions 2 through 6 and repaired actions that appear under Paragraphs 11 and 12 above.

15. % Rep - This column reflects a percent of repair computation based on the units repaired using the following formula:

$$\frac{\text{Repaired}}{\text{Invalid NRTS 1} + \text{NRTS 2-6} + \text{Repaired}}$$

This computation indicates the capability of the command to repair at base level those items authorized for base level repair within the conditions stated in the Note under "Contents".

16. Val 1 - This column reflects the number of units reported as a valid NRTS Code 1, "Bench Checked - Repair Not Authorized."

17. XS-7 - This column reflects the number of NRTS actions reported by each base under Action Taken Code 7, "Bench Checked - NRTS - Excess to Base Requirements."

18. DRCT 8 - This column reflects the number of actions that were bench checked and returned to Depots by direction of the System Manager (SM) or Item Manager (IM).

19. Cond 9 - This column reflects the number of actions reported by each base under Action Taken Code 9, "Bench Checked - Condemned."

20. Trans - D - This column reflects the quantity of items that were transferred to a main operating base or home base for repair. This is computed from Action Taken Code D, "Bench Checked - Transferred to Another Base."

21. Total Actions - This column reflects the total of Invalid NRTS 1, NRTS 2 through 6, Repaired, Valid NRTS 1, Excess -7, Directed -8, Condemned -9, and Transferred -D.

22. Total - At the end of the command listings for each equipment classification code, a total is provided. This total line is indicated by a single asterisk.

23. First Character EQ/CL Total - At the end of a listing for each first character of the equipment classification code within a type designator, a total is provided. This total line is indicated by a double asterisk.

24. Type Designator - At the end of a listing for a type designator, a total is provided. This total line is indicated by a triple asterisk.

COMMENTS: All comments regarding the use, contents, and distribution of this report should be submitted through command channels to Headquarters AFLC (MCNO), WPAFB, Ohio 45433.

AF WIDE
ACF

FOR OFFICIAL USE ONLY
EQUIPMENT NRTS AND REPAIRED SUMMARY
QUARTER ENDING 69 JUN 30

RCS: 27-LOG-K262

	EQ/CL	CMD	******* NRTS ACTIONS					**********		*REP ACTIONS**		TOTAL	%	VAL	XS	DRCT	COND	TRANS	TOTAL
			INV 1	2	3	4	5	6	TOTAL	UNITS	-- HOURS	NRTS&REP	REP	1	7	8	9	D	ACTIONS
	ABA	ANG		32					32	9	41.5	41	22.0	4			5		50
		LOG								43	26.0	43	100.0						43
		PAF	42	27		13		2	84	535	2596.9	619	86.4	94		1	32		746
		TAC	29	2		3			34	180	978.7	214	84.1	46			48		308
*	ABA	TOTAL	71	61		16		2	150	767	3643.1	917	83.6	144		1	85		1147

4-5D-163/4-5D-164

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RCS: LOG-MMO(AR)7191
PCN: D056C5605

APPENDIX 4-5D
ATTACHMENT NO. 22

1 January 1972

Formerly RCS: 5-LOG-K262

FOREWORD

TITLE: BIT AND PIECE REPLACEMENT SUMMARY

SOURCE: AFM 66-1, TO 00-20-2 series, TO 00-20-10-6, parts replaced during and reported in Block 29 of the AFTO Form 349 and Block 20 of the AFTO Form 346.

FREQUENCY: Demand only (on specific request submitted in accordance with AFLCM 66-15, chapter 6, section C).

CONTENTS: This report contains six months of data on parts replaced during repair of end pieces of equipment or items. The repair actions considered for this report are those which take place at the end piece of equipment, in intermediate level maintenance shops, and in AFLC Specialized Repair Activities (SRA). All parts replaced during repair which can be recognized by a computer match of the reported FSC and part number and the Federal Cataloging System are included in this report. Excluded are items in FSC 5810 and 5811, Materiel Management Codes CA, CI and CS, and parts replaced in equipment reports under the first character of the Equipment Classification Codes Q or U.

USE: This report is used to determine the quantity of an item being replaced worldwide without regard to application. In addition, it also reflects item replacement by end piece of equipment and Work Unit Code.

DESCRIPTION:

1. In the upper left hand corner of the report, the requesting Air Materiel Area (AMA) is listed. For example, SMAMA designates Sacramento Air Materiel Area as the AMA that requested the report.

2. FSC - This is the Federal Supply Class (FSC) of the parts listed in the part number column.

3. MMC - This is the Materiel Management Code (MMC) or Materiel Management Aggregation Code (MMAC) designating an AMA responsible for selective management of items within a FSC.

4. The header line also contains the demand request control number as prescribed by AFLCM 66-15, chapter 6, section C and the period ending date.

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5. Part Number - This column displays the part number, contained in columns 5-19 of the RCS: 1-LOG-K97 parts replaced card (8 in Col. 80). When the data is computer processed, the slashes and dashes are removed between two alpha characters or between an alpha and a numeric character. Dashes and slashes between two numerics in the part number are not removed.

6. EQ/CL MDS - This column displays the end piece of equipment on which the component part that had parts replaced during repair was installed. For equipment so identified in the computer system, the Mission Design Series or Type Model Series is listed. For other equipment, the Equipment Classification Code is listed.

7. Comp WUC - This column displays the Work Unit Code (WUC) of the component that was repaired. A description of this code is contained in the WUC manual (-06 technical order) applicable to the Equipment Classification Code/MDS reported.

8. Ref Symbol - This column displays the reference symbol used on communication, armament, an electronic equipment. This symbol indicates the position within a circuit or device in which the reported part was installed. For other replaced items, a noun describing the item is listed.

9. How Mal - These two columns reflect the how malfunction code and failure mode description of the item that was replaced.

10. Base Qty - These two columns reflect the current month and previous five months quantities of the item that were replaced at organization and intermediate level of maintenance during the six month period and for the reason indicated.

11. SRA Qty - These two columns reflect the current month and previous five months quantities of the item that were replaced at depot level maintenance during the six month period and for the reason indicated.

12. Part Number Total - This is a summary line print, indicated by an asterisk, reflecting the total quantities of the part that was replaced during the six month period.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted to AFLC/MMOMA, Wright-Patterson AFB, Ohio 45433.

MMRET FSC 5935 MMC DEMAND

BIT AND PIECE REPLACEMENT SUMMARY
PERIOD ENDING 72 FEB 29

RCS 5-LOG-K262
D056C541A

PART NUMBER	PFX/SFX MDS	COMP WUC	REF SYMBOL	HOW MAL CODE	HOW MAL NOUN	BASE QTY CURR	BASE QTY FIVE	SRA QTY CURR	SRA QTY FIVE
F116	HPA	ZM27A	R95	450	OPEN		1		
			R96	450	OPEN		1		
		ZZ999	R95	450	OPEN		1		
				900	BURNED	1			
			R96	450	OPEN		1		
				615	SHORTED	1			
				900	BURNED	1			
		* PART NUMBER TOTALS				3	4		
F125	HPA	ZM27A	R98	070	BROKEN		1		
				450	OPEN		1		
		* PART NUMBER TOTALS					2		
F127	HPA	ZM27A	R107	900	BURNED		1		
F15-277	T029C	42228	PUT	374	INTERNAL FAIL		1		
F228	HPA	ZM27A	R100	450	OPEN		1		
GA2G032F5013A	SSA	ZZ990	R1	130	VALUE CHANGE				1
				567	RESIST HIGH			1	2
				901	INTERMITTENT			1	
		ZZ995	R2	615	SHORTED		1		
	C141A	628A8	CONT	020	WORN		1		
			R1	008	NOISY		1		
				450	OPEN		1		
				901	INTERMITTENT		1		
		628B0	R201	901	INTERMITTENT		1		
	T039	62212	R1	450	OPEN		1		
		* PART NUMBER TOTALS					7	2	3
GA2G036F502JZ	C141A	614AE	RESISTOR	135	STUCK OR JAM		1		
GA2G04JS661JZ	HPA	XM410	R3338	450	OPEN	2			
			R4338	450	OPEN		1		
		YYL90	R3339	037	FLUCTUATES		1		
				230	DIRTY		1		
			R4338	037	FLUCTUATES		1		
				230	DIRTY		1		
		YZ570	R3338	037	FLUCTUATES	1			
		* PART NUMBER TOTALS				3	5		

APPENDIX 4-5D
ATTACHMENT NO. 23

RCS: LOG-MMO(SA)71105
PCN: D056C5929

1 January 1969

FOREWORD

TITLE: Summary of PME Maintenance Actions (For Precision Measurement Equipment) (see attached illustration)

SOURCE: AFM 66-1, T.O. 00-20-10-6 and "Off" Equipment work reported on AFTO Forms 346 and 349.

FREQUENCY: Each six (6) months for the periods ending in March and September.

RCS NO.: 29-LOG-K262 (specified in upper right-hand corner of the report).

CONTENTS: This report contains a summary of data by Work Unit Code, by scheduled and unscheduled maintenance, and the number of units reported by action taken code with the percent of total units reported defective units separately for both scheduled and unscheduled maintenance. The data is summarized in two (2) parts:

a. Data reported under the present calibration interval.

b. Data reported under the previous calibration interval.

USE: This report is used to make comparative analyses between the current calibration interval and the previous calibration interval. It also provides a summarized history of calibration actions for the two periods and supplements data contained in the RCS: 20-LOG-K262 report.

DESCRIPTION:

1. Responsible Logistics Management Activity - In the upper left-hand corner of the report the responsible activity, Newark AFS, is listed.

2. Period Ending - This is the last day of the report month. It reflects the cut-off date for computer processing and the month indicates the most recent month of data in the report.

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3. Work Unit Code, Part/Type Number and Noun(s) - This is the work unit code, part or type number and noun(s) describing the item for which the data display has been compiled.

4. Part I - This is a summary of cumulative actions for the current calibration interval:

a. The first line entry will display:

(1) Data Constant - That part of the total field reported data on the work unit code considered to be unreliable.

(2) Interval - The calibration interval in use at the time the data was reported.

(3) Eff - The effective date of the calibration interval.

b. The second line entry denotes two data displays - scheduled actions and unscheduled actions. Each will display the unit count for action taken codes F, G, J, K, 9, and other.

c. The last entry for this part will reflect a summary of:

(1) Total scheduled units reported.

(2) Total unscheduled units reported.

(3) Total defective units scheduled. This total does not include units listed under action taken codes J or G.

(4) Total defective units unscheduled. This total does not include units listed under action taken codes J or G.

(5) Percent computation - defective units scheduled divided by scheduled units reported.

(6) Percent computation - defective units unscheduled divided by unscheduled units reported.

5. Part II - This is a summary of cumulative actions for the calibration interval in effect prior to the interval of Part I above. The data displayed in this part is in the same format as described for Part I.

6. Action Taken Codes - Following is a description of each action taken code displayed in Paragraphs 4 and 5 above:

Code	Description
F	Repair
G	Repair and/or Replacement of Minor Parts, Hardware and Soft Goods
J	Calibrated - No Adjustment Required
K	Calibrated - Adjustment Required
9	Bench Checked - Condemned
Other	This includes all other codes.

COMMENTS: All comments regarding the contents, use and distribution of this report should be submitted through command channels to Hq AFLC (MCMS), Wright-Patterson AFB, Ohio 45433.

FOR OFFICIAL USE ONLY

NEWARK AFS — SUMMARY OF PME MAINTENANCE ACTIONS — PERIOD ENDING 69 MAR 31 — — RCS: 29-LOG-K262

YAD90 8662S MULTIRANGE POTENTI

PART I - ACTIONS FOR CURRENT INTERVAL — DATA CONSTANT .00 — INTERVAL 06 — EFF 30 JUN 68

SCHEDULED						UNSCHEDULED					
F	G	J	K	9	OTHER	F	G	J	K	9	OTHER
30	1	138	48			56		53	35		8

TOTAL SCHEDULED UNITS REPORTED 217 — TOTAL DEFECTIVE SCHEDULED 78 — PERCENT 35.9

TOTAL UNSCHEDULED UNITS REPORTED 152 — TOTAL DEFECTIVE UNSCHEDULED 99 — PERCENT 65.1

PART II - ACTIONS FOR PREVIOUS INTERVAL — DATA CONSTANT .00 — INTERVAL 09 — EFF 30 JUN 67

SCHEDULED						UNSCHEDULED					
F	G	J	K	9	OTHER	F	G	J	K	9	OTHER
20	10	170	5			70	12	15	50		7

TOTAL SCHEDULED UNITS REPORTED 205 — TOTAL DEFECTIVE SCHEDULED 25 — PERCENT 12.2

TOTAL UNSCHEDULED UNITS REPORTED 154 — TOTAL DEFECTIVE UNSCHEDULED 127 — PERCENT 82.5

END PRINT END PRINT END PRINT

RCS: LOG-MMO(SA)71106
PCN: D056C5930

APPENDIX 4-5D
ATTACHMENT NO. 24

Formerly RCS: 30-LOG-K262

1 April 1971

FOREWORD

TITLE: PME Calibration Interval Analysis (See Attached Illustration).

SOURCE: AFM 66-1, T.O. 00-20-10-6 and "Off" equipment work reported on AFTO Forms 346 and 349.

FREQUENCY: Each six (6) months for the periods ending in March and September.

CONTENTS: This report contains the results of computer analyses of PME calibration data submitted by field activities. Only work unit codes recommended for a change in calibration interval or work unit codes with no reported action are included in this report. The statistical technique applied within the computer is described in the attachment to this Foreword.

USE: This report is used to center attention on specific items which are pinpointed by the application of computerized analysis. Also, to evaluate items with no reported activity for possible deletion of T.O. 33K series calibration instructions.

DESCRIPTION:

1. Responsible Logistics Management Organization - In the upper left-hand corner of the report Newark AFS is listed.

2. Period Ending - This is the last day of the report month. It reflects the cut-off date for computer processing and indicates the most recent month of data considered in the computations.

3. Work Unit Code, Part/Type Number, Noun - These columns describe the item for which the data display has been compiled. The entries are listed as they appear in the P4 master record not as reported by field activities.

4. Previous Int and Date - The calibration interval assigned to the item, prior to last interval change, and date the previous interval was assigned.

AFLC-WPAFB-AUG 71 950

5. Current Int and Date - The calibration interval listed in the current T.O. 33K-1-100 and the date the interval was assigned.

6. Recommended Int - The recommended intervals (at fractional defective levels of .10, .15, .20, and .25) are based on accumulated data reported subsequent to the last calibration interval change (refer to Attachment 1). Items with no activity are identified as NA.

7. Fract Defect - This column reflects the fraction defective computed using the formula in Attachment 1, Paragraph 4a.

8. Eff Date - This column reflects a date which is to be the effective date for the recommended interval. This date is always 90 days after the as-of-date of the report to permit analysis and processing of the changes by Newark AFS.

9. Scheduled Units - This column reflects the quantity of units reported under equipment classification code "HPA" with type maintenance code "A".

10. Unschld Units - This column reflects the quantity of units reported under equipment classification code "HPA" with type maintenance code "B".

11. Unschld Percent - This column reflects the unscheduled units processed as a percent of total units processed. Where the computer percentage falls between 30 and 50% one asterisk (*) appears to the right of the column. Where the computed percentage exceeds 50% two asterisks (**) appear to the right of the column.

COMMENTS: All comments regarding the use, contents, and distribution of this report should be submitted through command channels to AFLC (MMOMA), Wright-Patterson AFB,Ohio 45433.

NEWARK AFS — PME CALIBRATION INTERVAL ANALYSIS — PERIOD ENDING 71 MAR 31 — RCS 30-LOG-K262 D056C593A

W/U/C	PART/TYPE NUMBER	PART/TYPE NOUN	PREVIOUS INT	PREVIOUS DATE	CURRENT INT	CURRENT DATE	RECOMMENDED INTS 90	85	80	75	FRACT DEFECT	EFF DATE	SCHEDULED UNITS	UNSCHLD UNITS	UNSCHLD PERCENT
YVN00	8692-048	TEMP POTENTIOMETER			05	JUL 68	05	06	07	07	.1515	JUN 71	66	84	56.0 **
YVN60	8692-142	TEMP POTENTIOMETER			06	JUL 68	00	00	NA	00	.0000	JUN 71			.0
YVP00	8692-165	TEMP POTENTIOMETER			06	JUL 68	00	00	NA	00	.0000	JUN 71			.0
YVP20	8692-166	TEMP POTENTIOMETER			06	JUL 68	00	00	NA	00	.0000	JUN 71		3	100.0 **
YVP40	8692-172	TEMP POTENTIOMETER			06	JUL 68	00	00	NA	00	.0000	JUN 71		3	100.0 **
YXH20	8693	TEMPERATURE POTENTI	00		06	DEC 69	05	06	07	07	.1500	JUN 71	60	18	23.1
ZAU70	8694A	RF UNIT	00		06	DEC 69	07	09	09	10	.0526	JUN 71	95	27	22.1
ZKK90	86948	TEMPERATURE POTENT			06	JUL 68	07	08	08	09	.0750	JUN 71	80	21	20.8
YNR80	8695A	RF UNIT	00		06	MAY 69	07	08	09	10	.0625	JUN 71	64	35	35.4 *
YTA60	873A	DIFFERENTIAL VOLTME	00		06	MAY 69	05	06	07	07	.1413	JUN 71	184	74	28.7
ZBJ00	874GAL	VARIABLE ATTENUATOR	00		06	MAY 69	07	08	09	10	.0584	JUN 71	154	149	49.2 *
YMM00	874G10	ATTENUATOR	00		12	MAY 69	21	24	26	28	.0070	JUN 71	142	42	22.8
XL170	88	POLYRANGER			09	JUL 68	10	11	12	13	.0819	JUN 71	61	26	29.9
ZPH90	88	DC RECORDER	00		06	DEC 69	00	00	NA	00	.0000	JUN 71			.0
YW720	8863327-503	TS RADIO			12	JUL 68	00	00	NA	00	.0000	JUN 71			.0
ZGL40	8900B	PEAK POWER CALIBRAT			06	JUL 68	05	06	07	07	.1406	JUN 71	64	43	40.2 *
YZX10	8910	SPRING SCALE	00		06	MAY 69	06	07	08	08	.1000	JUN 71	50	32	39.0 *
XZB60	892	DECADE CAPACITOR			06	JUL 68	05	06	07	07	.1428	JUN 71	35	7	16.7
YEJ40	894799IG3	MOLECULAR VACUUM GA			09	JUL 68	09	11	12	13	.0909	JUN 71	33	19	36.5 *
YQ830	895	SPRING SCALE	00		06	MAY 69	07	09	09	10	.0526	JUN 71	38	16	29.6
YFE50	9AF	SINGLE MULTI/RANGE	00		06	MAY 69	10	12	13	14	.0227	JUN 71	44	14	24.1
ZGX00	900-19238-00	TRANSMISSION MEASUR	00		06	MAY 69	00	00	NA	00	.0000	JUN 71			.0
YJ880	900B	SWEEP SIGNAL GENERA			06	JUL 68	06	06	07	08	.1226	JUN 71	758	282	27.1

3

ATTACHMENT 1

Cumulative Normal Distribution - Values of P



PME assumes an operating characteristic curve similar to the illustration above.
Wherein
Values of P correspond to z_p for the normal curve.
x is the standard normal variable.
The value of P for $-z_p$ equals one minus the value of P for $+z_p$, e.g., the P for -1.62 equals 1 - .9474 = .0526

z_p	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
.0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359
.1	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753
.2	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6064	.6103	.6141
.3	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517
.4	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879
.5	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224
.6	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549
.7	.7580	.7611	.7642	.7673	.7704	.7734	.7764	.7794	.7823	.7852
.8	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8078	.8106	.8133
.9	.8159	.8186	.8212	.8238	.8264	.8289	.8315	.8340	.8365	.8389
1.0	.8413	.8438	.8461	.8485	.8508	.8531	.8554	.8577	.8599	.8621
1.1	.8643	.8665	.8686	.8708	.8729	.8749	.8770	.8790	.8810	.8830
1.2	.8849	.8869	.8888	.8907	.8925	.8944	.8962	.8980	.8997	.9015
1.3	.9032	.9049	.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177
1.4	.9192	.9207	.9222	.9236	.9251	.9265	.9279	.9292	.9306	.9319
1.5	.9332	.9345	.9357	.9370	.9382	.9394	.9406	.9418	.9429	.9441
1.6	.9452	.9463	.9474	.9484	.9495	.9505	.9515	.9525	.9535	.9545
1.7	.9554	.9564	.9573	.9582	.9591	.9599	.9608	.9616	.9625	.9633
1.8	.9641	.9649	.9656	.9664	.9671	.9678	.9686	.9693	.9699	.9706
1.9	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767
2.0	.9772	.9778	.9783	.9788	.9793	.9798	.9803	.9808	.9812	.9817
2.1	.9821	.9826	.9830	.9834	.9838	.9842	.9846	.9850	.9854	.9857
2.2	.9861	.9864	.9868	.9871	.9875	.9878	.9881	.9884	.9887	.9890
2.3	.9893	.9896	.9898	.9901	.9904	.9906	.9909	.9911	.9913	.9916
2.4	.9918	.9920	.9922	.9925	.9927	.9929	.9931	.9932	.9934	.9936
2.5	.9938	.9940	.9941	.9943	.9945	.9946	.9948	.9949	.9951	.9952
2.6	.9953	.9955	.9956	.9957	.9959	.9960	.9961	.9962	.9963	.9964
2.7	.9965	.9966	.9967	.9968	.9969	.9970	.9971	.9972	.9973	.9974
2.8	.9974	.9975	.9976	.9977	.9977	.9978	.9979	.9979	.9980	.9981
2.9	.9981	.9982	.9982	.9983	.9984	.9984	.9985	.9985	.9986	.9986

3.0	.9987	.9987	.9987	.9988	.9988	.9989	.9989	.9989	.9990	.9990
3.1	.9990	.9991	.9991	.9991	.9992	.9992	.9992	.9992	.9993	.9993
3.2	.9993	.9993	.9994	.9994	.9994	.9994	.9994	.9995	.9995	.9995
3.3	.9995	.9995	.9995	.9996	.9996	.9996	.9996	.9996	.9996	.9997
3.4	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9998

The following decision rules and formulae have been applied within the computer:

1. The sample size of scheduled maintenance (EQ/CL HPA - Type Maintenance Code A) of the field data must exceed 30 units before applying the calibration formulae.

2. If the sample size of scheduled maintenance (EQ/CL HPA -- Type Maintenance Code A) is zero, work unit code will printout in the report indicating "No Activity".

3. Sample size is always determined by including all accumulated data for the interval being subjected to computer analysis.

4. Upon accumulating the minimum number of scheduled actions required (30) the data is subjected to the following formulae:

a. $F = \frac{F^1 + K^1 - C}{TS}$

Where

F = Fraction defective. If fraction defective is computed at less than .022, the computer will establish at .022.

F^1 = Scheduled units reported under Action Taken Code "F" excluding how malfunction codes listed in Paragraph 5.

K^1 = Scheduled units reported under Action Taken Code "K" excluding how malfunction codes listed in Paragraph 5.

TS = Total units scheduled. All units reported under Type Maintenance Code "A".

C = Data constant contained in the P4 master record.

b. $T_I = (3 + (-ZFD))t$

Where

T_I = Recommended intervals (.10, .15, .20, and .25 being acceptable fractional defectives).

t = Present Interval

Z_F = Standard normal variable for a probability equal to the fractional defective (F) using the above table which is contained within the computer and substituting as follows:

P = F and $Z_P = Z_F$ when F is greater than .5. When F is less than .5, P - 1.0 - F and $Z_F = -Z_P$.

Z_{FD} = Standard normal variable for acceptable fractional defectives (.10, .15, .20, .25) where F_{1-10}, $Z_{FD} = -1.282$, etc., using the above table.

The recommended interval (T_I) will always be expressed in the nearest whole number (months).

c. Example of the calibration interval computation formula:

GIVEN: Let C = 0, $F^1 = 20$, $K^1 = 22$, TS = 120, t = 6 mo.

Computation: $F = 1.0 - \frac{(20 + 22 - 0.0)}{120} = .65$

$Z_F = Z.65 = .385$ including interpolation.

$Z_{FD} = Z.10 = 1.2817$ including interpolation.

$Z_{FD} = Z.15 = 1.0365$ including interpolation.

$Z_{FD} = Z.20 = .8418$ including interpolation.

$Z_{FD} = Z.25 = .6745$ including interpolation.

$T.10 = \frac{(3 + (1.2817))}{3 = .385} 6 = 3$ months at 90 percent

$T.15 = \frac{(3 + (1.0365))}{3 + .385} 6 = 4$ months at 85 percent

$T.20 = \frac{(3 + (.8418))}{3 + .385} 6 = 4$ months at 80 percent

$T.25 = \frac{(3 + (.6745))}{3 + .385} 6 = 5$ months at 75 percent

APPENDIX 4-5E

OUTPUT PRODUCTS, INCREASE RELIABILITY OF OPERATIONAL SYSTEMS (IROS) AUTOMATIC DATA SYSTEM (KO51)

This appendix contains samples of the output products from the IROS automatic data system (KO51). The equations/algorithms used in deriving the various parameters are presented, and the terms used in the mathematical expressions are defined.

a. Terms.

AA — Alert Availability. The probability of the weapon system being available to react to an execution order.

BFA — Before Flight Abort. Any failure that prevents takeoff and which is discovered by the aircrew after arrival at the aircraft (when discovered code A).

BFR — Before Flight Reliability. The probability of the alert available force becoming airborne as planned.

FR — Flight Reliability. The probability of satisfactorily completing the flight portion of a mission.

IFA — In Flight Abort. Any failure occurring during flight that prevents completion of the defined mission (when discovered code C).

NORM — Not Operationally Ready Due to Maintenance. An aircraft is not capable of performing all of its assigned missions due to required maintenance.

NORS — Not Operationally Ready Due to Supply. An aircraft is incapable of performing all of its assigned missions due to parts required from supply.

OR — Operational Readiness. The probability of the weapon system being available to react on an execution order (same as AA).

SE — System Effectiveness. The probability of a weapon system being capable of performing all assigned missions.

b. Mathematical Formulas.

(1) System Effectiveness (SE) Parameters.

(a) $SE = (AA)(BFR)(FR)$

(b) $FR = \frac{\text{Sorties} - \text{IFA}}{\text{Sorties}}$

(c) $BFR = \frac{\text{Sorties}}{\text{Attempted Sorties}}$

(d) $OR = \frac{\text{Base Operational Hours}}{\text{Base Hours Possessed}}$

NOTE: Base operational hours is base hours possessed minus (base unscheduled NORM hours plus base scheduled NORM hours plus base NORS hours).

(e) $AA = \frac{\text{Force Operational Hours}}{\text{Force Possessed Hours}}$

NOTE: Force operational hours is force hours possessed minus (force unscheduled NORM hours plus force scheduled NORM hours plus force NORS hours).

(f) SE control limit equals 1 to 12 previous months SE minus 1.419 S, where S equals the standard deviations.

(2) Average Aircraft Not Available Parameters.

(a) $\text{Scheduled NORM} = \frac{\text{Force Scheduled NORM Hours}}{\text{Force Hours Possessed}} \times \text{Aircraft Possessed}$

(b) $\text{Unscheduled NORM} = \frac{\text{Force Unscheduled NORM Hours}}{\text{Force Hours Possessed}} \times \text{Aircraft Possessed}$

(c) $NORS = \frac{\text{Force NORS Hours}}{\text{Force Hours Possessed}} \times \text{Aircraft Possessed}$

(d) $BFA = [\text{Possessed A/C} - (\text{NORM A/C} + \text{NORS A/C})] (1-BFR)$

(e) $IFA = [\text{Possessed A/C} - (\text{NORM A/C} + \text{BFA A/C})] (1-FR)$

(3) NORM per Flight Hour (FH).

$$NORM/FH = \frac{\text{Force Scheduled NORM Hours} + \text{Force Unscheduled NORM Hours}}{\text{Force Flying Hours}}$$

(4) Work Unit Code Force Degradation Contribution.

$$\text{WUC Force Degradation Contribution}$$

$$= 100 \left\{ \left[\frac{\text{WUC Unscheduled NORM Hours}}{\text{Force Hours Possessed}} + \frac{\text{WUC NORS Hours}}{\text{Force Hours Possessed} - \text{Force NORM Hours}} \times \left(1 - \frac{\text{Force NORM Hours}}{\text{Force Hours Possessed}} \right) \right] + \left[\frac{\text{WUC Before Flight Aborts}}{\text{Force Attempted Sorties}} \left(1 - \frac{\text{Force NORM Hours} + \text{Force NORS Hours}}{\text{Force Hours Passed}} \right) \right] + \left[\frac{\text{WUC In Flight Aborts}}{\text{Force Sorties}} \left(1 - \frac{\text{Force NORM Hours} + \text{Force NORS Hours}}{\text{Force Hours Possessed}} \right) \right] - \left[\frac{\text{Force Before Flight Aborts}}{\text{Force Attempted Sorties}} \times \frac{(\text{Force Before Flight Aborts})(\text{Force NORM Hours} + \text{Force NORS Hours})}{(\text{Force Attempted Sorties})(\text{Force Hours Possessed})} \right] \right\}$$

(5) Logistic Support Cost (LSC).

(a) Force LSC is the sum of the inclusive WUC logistic support costs plus TCTO man-hour cost.

(b) WUC logistic support cost is the sum of the inclusive FSN logistic support costs plus on-equipment man-hour cost.

(c) FSN logistic support cost is:

[(9.37* x Field Maintenance Man-Hours) + (Packaging and Transportation Cost) + (Condemnation Replacement) + (Depot Level Repair Cost)]

where packaging and transportation is:

[2(CONUS Rate + Overseas Rate)(Shelf Weight)] NRTS units

*Contact AFLC/MMO for verification of current value.

and condemnation replacement is:

$$[(\text{NRTS Units} - \text{Depot Condemnation Rate}) + (\text{Field Condemned Units})](\text{Current Stock List Price})$$

and depot level repair is:

$$(\text{NRTS Units} - \text{Depot Condemned Units})(\text{Average Repair Cost})$$

(6) Proportionate share is:

$$100\left(\frac{\text{WUC Logistic Support Cost}}{\text{Force Logistic Support Cost}}\right)$$

c. Output Reports of IROS (KO51).

The System Effectiveness Report, RCS:LOG-MM(Q)7372, is presented in four parts as follows:

(1) Part I, Force Summary KO51.YR1L.

(a) Statistics. The statistics provided include:

1. System effectiveness (SE)
2. Flight reliability (FR)
3. Before flight reliability (BFR)
4. Operational readiness (OR)
5. Alert availability (AA)

(b) Utilization. This portion of part I provides:

1. Hours possessed
2. Flying hours
3. Sorties

(c) Average Inventory includes:

1. Average A/C possessed
2. Average A/C available
3. Average A/C not available due to NORM (unscheduled), NORS, IFA, and totals.

Figure E-1 provides a sample of the Part I System Effectiveness Report.

(2) Part II, Trend Data KO51. YR1L.

(a) This part provides the following effectiveness parameters on a monthly basis for nine months:

1. Effectiveness Parameters.

a. System effectiveness

b. Control limit

c. Flight reliability

d. Before flight reliability

e. Operational readiness

f. Alert availability

2. Not Operationally Ready Due to Maintenance (NORM) hours per flying hours.

3. Scheduled NORM (total hours).

4. Unscheduled NORM Analysis (by subsystem 2-digit WUC level).

5. NORS Analysis (by subsystem 2-digit WUC level)

(b) Figure E-2 presents a sample of Part II of the System Effectiveness Report.

(3) Part III, Effectiveness Models.

(a) Logistic Support Cost Model.

1. Weapon system support costs identifiable to work unit code equipment/components are computed and ranked to identify disproportionate resource consumers. Cost areas considered are (1) field maintenance man-hours, (2) packaging and transportation, (3) specialized repair activity man-hours, (4) materials and overhead, and (5) condemnation rates.

2. Figures E-3a through E-3p provide samples of the output products of the cost model.

(b) Availability Ranking Model.

1. Output from this model is in terms of degradation to weapon system availability. Computed degradations are ranked to reveal the equipment, components, or aircraft which are contributing the most toward force nonavailability and reduced performance.

2. Figures E-3q through E-3u provide samples of the output reports.

(4) Part IV, Manual Effectiveness Analysis.

(a) Summarized results of investigations of individual problems are contained in Part IV of the System Effectiveness Report. The problem areas addressed may be identified from any source. However, the two primary sources are:

1. System deficiencies indicated by unusual changes in the effectiveness parameters shown in Part I or Part II of the SE report.

2. Potential equipment/component deficiencies indicated by relatively high rank in one or more of the effectiveness model outputs.

(b) Figure E-4 contains a sample of the report format.

BEST AVAILABLE COPY

K051.YR1L SYSTEM EFFECTIVENESS REPORT RCS LOG-MM<Q>7372
DATE PROCESSED 73 NOV 01 AFM 65-110/66-1 DATA AS OF 73 SEP

WEAPON SYSTEM TU37 PRIME SAAMA

PART I FORCE SUMMARY

STATISTICS	CURRENT QTR	*PREVIOUS QUARTERS* 1ST	2ND
SYSTEM EFFECTIVENESS <SE>	0.784	0.790	0.780
FLIGHT RELIABILITY <FR>	0.996	0.997	0.994
BEFORE FLIGHT RELIABILITY <BFR>	0.990	0.992	0.988
OPERATIONAL READINESS <OR>	0.811	0.821	0.806
ALERT AVAILABILITY <AA>	0.794	0.796	0.789
UTILIZATION			
HOURS POSSESSED			
USING COMMANDS	1,712,860	1,621,500	1,705,210
TOTAL FORCE	1,747,440	1,701,365	1,736,357
FLYING HOURS			
SUPPORT	0	0	0
TRAINING	123,211	123,101	122,810
OPERATIONS	1,235	1,115	2,040
TOTAL	124,446	124,216	124,850
SORTIES			
SUPPORT	0	0	0
TRAINING	100,823	100,920	100,500
OPERATIONS	755	553	1,220
TOTAL	101,578	101,478	101,720
AVERAGE AIRCRAFT			
POSSESSED	771	771	769
AVAILABLE	643	642	640
NOT AVAILABLE			
SCHEDULED MAINTENANCE <NORM>	39	40	38
UNSCHEDULED MAINTENANCE <NORM>	57	59	58
SUPPLY <NORS>	22	20	21
BEFORE FLIGHT ABORTS <BFA>	7	6	7
IN FLIGHT ABORTS <IFA>	3	4	5
TOTAL	128	129	129

NOTE - THIS REPORT <YR1L> IS ONLY ON MULTILITH MASTERS.

Figure E-1

BEST AVAILABLE COPY

ROS1.YR1L SYSTEM EFFECTIVENESS REPORT RCS LOG-MM<Q>7372
DATE PROCESSED 73 NOV 01 AFM 65-110/66-1 DATA AS OF 73 SEP

WEAPON SYSTEM T037 PRIME SAAMA

PART II TREND DATA

** EFFECTIVENESS PARAMETERS **

	SEP	AUG	JUL	JUN	MAY	APR	MAR	FEB	JAN
SYSTEM EFFECTIVENESS	.836	.811	.796	.808	.782	.793	.764	.777	.787
UNTIL LIMIT	.768	.770	.775	.775	.771	.775	.773	.771	.775
FLIGHT RELIABILITY	.996	.993	.997	.996	.998	.996	.997	.996	.997
BEFORE FLIGHT RELIABILITY	.991	.988	.990	.989	.988	.989	.962	.990	.991
OPERATIONAL READINESS	.855	.833	.824	.830	.802	.821	.792	.805	.808
ALERT AVAILABILITY	.847	.824	.809	.800	.795	.806	.775	.788	.792

** NORM HOURS **

	CURRENT QTR	1ST PREV QTR	2ND PREV QTR
PER FLYING HOUR	4.109	4.010	4.250

** SCHEDULED NORM **

	CURRENT QTR	1ST PREV QTR	2ND PREV QTR
TOTAL HOURS	84,193	97,045	125,366

Figure E-2

BEST AVAILABLE COPY

K051.YR1L SYSTEM EFFECTIVENESS REPORT RCS LOG-MM<Q>7372
DATE PROCESSED 73 NOV 01 AFM 65-110/66-1 DATA AS OF

WEAPON SYSTEM T037 PRIME SAAMA

PART II TREND DATA <CONTINUED>
** UNSCHEDULED NORM ANALYSIS **

SYS	NOUN	CURRENT QTR RANK	CURRENT QTR HOURS	1ST PREV QTR RANK	1ST PREV QTR HOURS	2ND PREV QTR RANK	2ND PREV QTR HOURS
23	TURBO-JET PWR	1	41220	1	42173	1	40273
13	LANDING GEAR	2	22255	5	15532	4	22932
11	AIRFRAME	3	19942	3	27872	2	31823
46	FUEL SYSTEM	4	14822	2	30847	3	27287
71	RADIO NAV	5	12450	9	8723	8	13962
14	FLIGHT CONTROL	6	10250	4	18176	6	17393
63	UHF COMMUNCTNS	7	9520	7	10182	5	18246
65	IFF	8	8520	8	9621	10	9327
42	ELECTRICAL PWR	9	7120	6	12736	7	14421
12	COCKPIT	10	6215	11	7136	12	8341
52	INSTRUMENTS	11	6021	10	7982	9	11921
45	HYD-PNEUM PWR	12	5620	12	7102	13	7943
41	AC, ICE CNTRL	13	5217	14	5271	11	8928
47	OXYGEN SYSTEM	14	4720	16	4126	16	5827
49	MISC UTILITIES	15	4137	13	6627	14	7278
44	LIGHTING SYSTM	16	3672	15	5026	17	3240
91	EMERGENCY EQP	17	1572	18	1222	15	6752
03	SCHEDULED INSP	18	722	20	670	21	640
04	SPECIAL INSPEC	19	650	21	520	20	750
	TOTAL		186,737		225,366		259,731

Figure E-2 (Cont)

BEST AVAILABLE COPY

A051.YR1L SYSTEM EFFECTIVENESS REPORT RCS LOG-MM<Q>7372
DATE PROCESSED 73 NOV 01 AFM 65-110/66-1 DATA AS OF

WEAPON SYSTEM T037 PRIME SAAMA

PART II TREND DATA <CONTINUED>

** NORS ANALYSIS **

SYS	NOUN	CURRENT QTR RANK	CURRENT QTR HOURS	1ST PREV QTR RANK	1ST PREV QTR HOURS	2ND PREV QTR RANK	2ND PREV QTR HOURS
51	INSTRUMENTS	1	11371	2	11187	1	12102
23	TURBO-JET PWR	2	11272	1	11482	5	9872
13	LANDING GEAR	3	10080	5	9086	2	11278
14	FLIGHT CONTROL	4	8372	3	10821	3	10562
11	AIRFRAME	5	6132	4	10323	6	9243
46	FUEL SYSTEM	6	4895	10	4822	4	10121
41	AC, ICE CNTRL	7	4748	7	7246	11	5534
45	HYD-PNEUM PWR	8	4451	9	5782	8	8055
47	OXYGEN SYSTEM	9	1750	6	8563	7	8621
42	ELECTRICAL PWR	10	1243	11	4182	10	6787
49	MISC UTILITIES	11	1022	8	6542	9	7528
44	LIGHTING SYSTM	12	836	13	1987	12	4692
71	RADIO NAV	13	276	12	3392	15	1892
12	COCKPIT	14	176	15	827	13	3371
64	INTERPHONE	15	81	14	1132	17	110
97	EXPLOSIVE COMP	16	66	16	126	14	2786
63	UHF COMMUNCTNS	17	44	18	73	18	66
65	IFF	18	24	17	92	16	956
	TOTAL		66,545		97,665		113,576

Figure E-2 (Cont)

BEST AVAILABLE COPY

LOGISTIC SUPPORT COST RANKING
SELECTED EQUIPMENT WORK UNIT CODES

WEAPON SYSTEM F004C
PRIME 00AMA

AFM 65-110/66-1 DATA AS OF 73 DEC
PROCESSED 74 FEB 01
K051.PW5L

RANK	REFERENCE REPORT ITEM	DATE	RCS LOG-MMO<Q>7213<1> WUC	NOUN	AVERAGE MONTHLY LSC	PROP SHARE	CUM PROP SHARE
1			71E60	PLATFORM GYRO S	$174,183	14.391	14.391
2			23720	CONST SPEED DRI	$74,300	3.214	17.605
3			23200	ENGINE & GEC	$50,538	2.992	20.597
4			42210	GEN 3 PHASE 400	$37,905	2.244	22.841
5			1226F	BUCKET SEAT	$33,920	2.008	24.849
6			71LA0	REC-TRANS RT-54	$31,655	1.874	26.723
7			75130	AERO 7-A	$28,395	1.681	28.404
8			111AA	RADOME	$26,521	1.570	29.974
9			71E20	COMPUTER NAVIGA	$25,004	1.480	31.454
10			23730	CONSTANT SPD DR	$23,791	1.408	32.862
11			7316O	DISPLACEMENT GY	$21,386	1.266	34.128
12			71B10	CONTROL COMPUTE	$20,000	1.184	35.312
13			74100	RADAR SET APQ-1	$19,579	1.159	36.471
14			74110	SYNCH ELEC SN-3	$16,203	0.959	37.430
15			74120	CONT POWR SUP C	$16,010	0.948	38.378

NOTE - THIS REPORT IS ONLY ON MULTILITH MASTERS.
IT CONTAINS THE TOP 20 EQUIPMENT WORK UNIT CODES.

Figure E-3a

LOGISTIC SUPPORT COST RANKING
SELECTED EQUIPMENT WORK UNIT CODES

WEAPON SYSTEM F111E
SACRAMENTO AIR LOGISTICS CENTER

AFM 65-110/66-1 DATA AS OF 74 DEC
PROCESSED 75 FEB 01
K051.Pw5L
RCS LOG-MM0<Q>7213<1>

RANK	REFERENCE ITEM	REPORT DATE	WUC	CAT IND	NOUN	ITEM LSC PER HOUR	FORCE LSC PER MONTH	PERCENT SYSTEM
1		76	LA0	B	SCANNER CV-2630	$46.03	$57,763	6.442
2		73	AAJ	B	PLATFORM MODULE	$46.19	$45,424	5.066
3		73	AB0	B	COMPUTER NAVIGA	$15.01	$18,841	2.101
4		73	AA0	B	STABILIZED PLAT	$17.70	$17,189	1.917
5		23	WAC	B	STARTER C-PN LH	$13.11	$16,454	1.835
6		78	BB0	B	CONV,CRYO MX-67	$12.32	$15,462	1.724
7		76	DD0	B	REC FWD APS 109	$11.66*	$14,628	1.631
8		73	BA0	B	ANT AS1749/APQ-	$9.99	$12,542	1.399
9		52	BAF	A	COMPUTER PRIMAR	$6.51	$8,171	0.911
P 10		23	000	3	TURBO JET ENGIN	$6.33	$7,896	1.773
11		76	KD0	B	R-1498/ALQ-94	$7.14	$7,700	0.859
P 12		76	KF0	B	R-1499/ALQ-94	$4.96	$6,223	0.694
13		13	DAA	B	DOOR AFT MLG	$4.65	$5,837	0.651
14		74	AAA	B	S A SU-29-AN/AS	$8.50	$5,644	0.629
15		71	BA0	B	RECVR-XMTR	$3.68	$4,623	0.516

NOTE - THIS REPORT IS ON PAPER AND MULTILITH MASTERS.
IT CONTAINS THE TOP 60 EQUIPMENT WORK UNIT CODES.
ASTERISK INDICATES SPECIAL INVENTORY.

Figure E-3b

LOGISTIC SUPPORT COST RANKING
SELECTED EQUIPMENT WORK UNIT CODES

SACRAMENTO AIR LOGISTICS CENTER

AFM 65-110/66-1 DATA AS OF 74 DEC
PROCESSED 75 FEB 01
K051.PW5L
RCS LOG-MM0<0>7213<1>

ALC RANK	SYSTEM WUC	CAT IND	NOUN	ITEM LSC PER HOUR	FORCE LSC PER MONTH	PERCENT SYSTEM
1	F111E 76LA0	B	SCANNER CV-2030	$46.03	$57,763	6.442
2	F105D 73ABA	B	INTERTIAL MEASU	$39.12*	$53,886	2.464
3	F111E 73AAJ	B	PLATFROM MODULE	$46.19	$45,424	5.066
P 4	F111D 73PD0	B	XMTR T-1084/APQ	$26.48	$32,601	2.956
5	FB111A 73HA0	B	ST PL M 81311A	$21.70	$23,496	3.393
6	F111D 73RCC	B	SCAN CONVERTER	$20.59	$23,086	4.596
7	F111D 73PDD	B	TUBE ELECTRON-E	$19.80	$22,374	2.210
8	F111D 73PME	B	PROC ASY FREQ 9	$18.84	$22,188	2.103
9	F111D 73PA0	B	PNT AS-2230/APQ	$18.05	$22,013	2.014
10	F111D 73HA0	B	ST PL MX-81311A	$17.03	$20,963	1.901
11	F111F 73HA0	B	ST PL M -81311A	$16.85	$20,046	3.893
P 12	F111A 76DD0	B	REC,RADAR FWD	$16.23	$19,436	2.628
13	F111D 73PCC	B	PROC ASSY MONO	$15.57	$19,166	1.738
14	F111F 76LA0	B	SCNR SRCH CV-26	$15.37	$18,294	3.553
15	F111E 73AB0	B	COMPUTER NAVIGA	$15.01	$18,141	2.101

NOTE -- THIS REPORT IS ON PAPER AND MULTILITH MASTERS.
IT CONTAINS THE TOP 60 EQUIPMENT WORK UNIT CODES.
ASTERISK INDICATES SPECIAL INVENTORY.

Figure E-3c

LOGISTIC SUPPORT COST RANKING
SELECTED EQUIPMENT WORK UNIT CODES

UNITED STATES AIR FORCE

AFM 65-110/66-1 DATA AS OF 74 DEC
PROCESSED 75 FEB 01
K051.PW5L
RCS LOG-MMO<Q>7213<1>

USAF RANK		SYSTEM	WUC	CAT IND	NOUN	ITEM LSC PER HOUR	FORCE LSC PER MONTH	PERCENT SYSTEM	ALC
	1	F111E	76LA0	B	SCANNER CV-2630	$46.03	$57,763	6.442	SM
	2	F105D	73ABA	B	INTERTIAL MEASU	$39.12*	$53,886	2.464	SM
	3	F111E	73AAJ	B	PLATFROM MODULE	$36.19	$45,424	5.066	SM
P	4	HH053C	7751A	C	INTERSIFER, VID	$31.90	$38,025	10.707	WR
	5	C130E	74FA0	B	R/T RT-1067 GEN	$27.23*	$37,068	0.309	WR
P	6	F111D	73PD0	B	XMTR T-1084/APQ	$26.48	$32,601	2.956	SM
	7	B057	73CB0	B	TRANSMITTER	$24.78*	$26,045	2.030	WR
	8	FB111A	73HA0	B	ST PL M 81311A	$21.70	$23,796	3.393	SM
P	9	C005A	72BP0	B	MSURMT UNIT INE	$20.67	$23,698	3.447	SA
	10	F111D	73RCC	B	SCAN CONVERTER	$20.59	$23,086	4.596	SM
	11	F111D	73PDD	B	TUBE ELECTRON-E	$19.80	$22,374	2.210	SM
	12	F111D	73PME	B	PROC ASY FREQ 9	$18.84	$22,188	2.103	SM
	13	F111D	73PA0	B	PNT AS-2230/APQ	$18.05	$22,013	2.014	SM
	14	F111D	73HA0	B	ST PL MX-81311A	$17.03	$20,963	1.901	SM
	15	F111F	73HA0	B	ST PL M -81311A	$16.85	$20,046	3.893	SM

NOTE - THIS REPORT IS ON PAPER AND MULTILITH MASTERS.
IT CONTAINS THE TOP 60 EQUIPMENT WORK UNIT CODES.
ASTERISK INDICATES SPECIAL INVENTORY.

Figure E-3d

				FORCE LSC PER MONTH										
		PERCENT	CAT	CURRENT QTR		1ST PREV QTR			2ND PREV QTR		3RD PREV QTR		SPEC	SPECIAL CODING
•UC	NOUN	SYSTEM	IND	RANK	LSC	RANK	LSC		RANK	LSC	RANK	LSC	INV	GFAE EXEMPT
71E60	PLATFORM GYRO S	4.391	B	1	$74183	1	$75122	P	126	$2270	P 225	$1212		
23720	CONST SPEED DRI	3.214	B	2	$54300	2	$62067		1	$52842	2	$56716		*
23200	ENGINE & QEC	2.992	B	3	$50538	3	$59898		2	$42801	1	$69767		
42210	GEN 3 PHASE 400	2.244	B	4	$37905	6	$32161		4	$32773	5	$25438	184	* *
1226F	BUCKET SEAT	2.008	B	5	$33920	4	$39223		3	$40164	3	$35764		*
71LA0	REC-TRANS RT-54	1.844	B	6	$31655	5	$36405		5	$30612	4	$28107	313	
75130	AERO 7-A	1.540	A	7	$28395	7	$24582		6	$25545	9	$18136		
111AA	RADOME	1.570	B	8	$26521	15	$14426		19	$12187	20	$10877		
71E20	COMPUTER NAVIGA	1.480	B	9	$25004	10	$19927		7	$21046	8	$19449		*
23730	CONSTANT SPD DR	1.408	B	10	$23791	9	$21645		11	$15515	35	$6595		
73160	DISPLACEMENT GY	1.266	B	11	$21386	P 352	$717	P	225	$1246	P 306	$823		
71B10	CONTROL COMPUTE	1.184	B	12	$20000	14	$15031		10	$18612	6	$21925		*
74100	RADAR SET APQ-1	1.159	B	13	$19579	12	$18969		9	$18722	7	$19782		
74110	SYNCH ELEC SN-3	0.959	B	14	$16203	31	$8856		31	$8142	45	$5251		
74120	CONT POWR SUP C	0.948	B	15	$16010	11	$19155		8	$19160	10	$17389		* *

NOTE -- THIS REPORT IS ON MICROFILM AND PRINTOUT.
IT REFLECTS AT LEAST THE TOP 96 ITEMS AND ANY ITEMS WITH AN LSC GREATER THAN $750.

Figure E-3e

WEAPON SYSTEM F004C 00ALC LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<Q>7213<2> K051.PN3L PAGE 1
AFM 65-110/66-1 DATA AS OF 74 DEC WORK UNIT CODE STATUS DATE PROCESSED 75 FEB 01

FORCE STATISTICS	CURRENT QTR	1ST PREV QTR	2ND PREV QTR	3RD PREV QTR
	FORCE LSC PER MONTH			
LOGISTIC SUPPORT COST	$2,317,861	$1,585,093	$1,649,513	$1,835,904
TCTO MANHOUR COST	$306,120	$302,543	$296,168	$300,195
INVENTORY	331	331	345	352
FLYING HOURS	4614	6533	6690	7330
LANDINGS	5551	5326	5065	6267
23 ENGINE STATISTICS				
AIRCRAFT INVENTORY	331	331	345	352
OPERATING HOURS	9228	13066	13380	14660

TOTAL SYSTEM WUCS 3,188 TOTAL REPORTED THIS QUARTER 2,264

WUC	NOUN	PERCENT SYSTEM	CAT IND	CURRENT QTR RANK	CURRENT QTR LSC	1ST PREV QTR RANK	1ST PREV QTR LSC	2ND PREV QTR RANK	2ND PREV QTR LSC	3RD PREV QTR RANK	3RD PREV QTR LSC	SPEC INV
				FORCE LSC PER MONTH								
03XXX	SCHEDULED INSPC	16.164			$374658		$356492		$334563		$346456	
04XXX	SPECIAL INSPECT	7.213			$167178		$158432		$149492		$159637	
12XXX	CPIT & FUS COMP	2.492			$37662		$46474		$45658		$42536	
13XXX	LANDING GEAR	5.426			$96773		$90072		$105374		$106342	

WUC	NOUN	PERCENT SYSTEM	CAT IND	CURRENT QTR RANK	CURRENT QTR LSC	1ST PREV QTR RANK	1ST PREV QTR LSC	2ND PRE QTR RANK	2ND PRE QTR LSC	3RD PREV QTR RANK	3RD PREV QTR LSC	SPEC INV	SPECIAL CODING GFAE	SPECIAL CODING EXEMPT
				FORCE LSC PER MONTH										
1226B	REEL INERTIA	0.047	B	360	$799	P 443	$548	P 261	$1061	P 184	$1444		*	
1226C	STRAP SHOULDER	0.000	C	1903	$4	1471	$31							
1226D	PLATE PARA MOU	0.000	B			1784	$8	1566	$23	1384	$33	150		
1226F	BUCKET SEAT	2.008	B	5	$33920	4	$39223	3	$40164	3	$35764			
1226K	PARACHUT DROGU	0.038	B	411	$638	338	$742	294	$292	294	$851		*	
122XX					$35361		$40552		$42177		$38092			
1232D	STRUCTURE	0.036	C	424	$603	549	$401	1219	$69	1077	$86			
1232D	FWD CANOPY ASY	0.101	B	197	$1698	49	$5521	P 78	$3412	P 54	$4358		*	*
123XX					$2301		$3481		$4444					

NOTE -- THIS REPORT IS ON MICROFILM AND PRINTOUT.

Figure E-3f

WEAPON SYSTEM F004C 00ALC LOGISTIC SUPPORT COST BREAKDOWN RCS LOG-MMO<G>7213<3> K051.PN4L PAGE 1
AFM 65-110/66-1 DATA AS OF 74 DEC CURRENT QUARTER COMPUTATION DATE PROCESSED 75 FEB 01

		QUARTERLY VALUES					
WUC	NOUN	FIELD MAINT	SPEC REPAIR COST	PACK/SHIP COST	CONDEMNATION COST	BASE MATERIAL COST	TOTAL QTR LSC
1226B	REEL INERTIA LQ	$2,387	P $0	$10	$0	$0	P $2,397
1226C	STRAP SHOULDER	$12	$0	$0	$0	$0	$12
1226F	BUCKET SEAT	$101,760	$0	$0	$0	$0	$101,760
1226K	PARACHUT DROUG	$1,914	$0	$0	P $0	$0	P $1,914
122XX		$106,073	$0	$10	$0	$0	$106,083
1232D	STRUCTURE	$1,234	$329	$42	$0	$204	$1,809
1232D	FWD CANOPY ASY	$2,255	$605	$78	$2,117	$ 39	$5,094
123XX		$3,489	$934	$120	$2,117	$243	$6,903
12XXX		$109,562	$934	$130	$2,117	$243	$112,986
1325D	TIRES MLG L-H	$3,684	$7,492	$932	$865	$329	$13,302

NOTE -- THIS REPORT IS ONLY ON MICROFILM.

Figure E-3g

WEAPON SYSTEM F004C OOALC LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<0>7213<4> K051.PN6L PAGE 1
AFM 65-110/66-1 DATA AS OF 74 DEC NATIONAL STOCK NUMBER STATUS DATE PROCESSED 75 FEB 01

NSN	NSN NOUN	PRIME ALC	WUC	WUC NOUN		NSN LSC (BY WUC)	PERCENT SYSTEM	NUMBER TO SHOP	NSN RANK	TOTAL NSN LSC	TOTAL % SYSTEM
6607006201140	PLATFORM ASSY	WR	71G01	GYRO TABLE 11A	P	$311	.102	3			
			71G02	GYRO TABLE 4B		$247	.060	14			
			71G03	FORK SECTION		$1,623	1.040	34			
			71G04	AFT SECTION	P	$44	.009	2			
			71G05	GYRO DRUM		$5,102	3.109	41			
			71G06	GYRO BEARINGS		$871	.291	16	P 114	$8,198	4.611
6607009510034EF	PLATFORM BRACE	OC	63SMA	LEFT BRACE		$134	3.151	1			
			63SMB	RIGHT BRACE		$123	2.242	3	211	$257	5.392
6607009700131EF	PLATFORM GAPS	OC	11AAC	FORW GAP		$1,034	4.163	9			
			11AAD	AFT GAP		$1,320	5.138	7	76	$2,354	9.301
6607009634511EF	PLATFORM CATCH	OC	13AAB	BOLT CATCH		$39	1.066	6	497	$39	1.066
7607009834511	PLATFORM LATCH	USN	41CDY	DORSAL LATCH		$413	6.030	3			
			42CFY	VENTRAL LATCH		$419	7.013	19			
			43AAB	AFT HINGE		$7	.050	2			
			44AAB	FORW HINGE		$7	.044	4	197	$846	13.137

NOTE -- THIS REPORT IS ONLY ON MICROFILM.

Figure E-3h

WEAPON SYSTEM F004C 00ALC MAINTENANCE ACTION SUMMARY RCS LOG-MMO<Q>7215 K051.PN7L PAGE 1
AFM 65-110/66-1 DATA AS OF 74 DEC DATE PROCESSED 75 FEB 01

			ON EQUIPMENT						OFF EQUIPMENT									
			REPAIRED		EXPENDED		TO SHOP		NRTS		CONDEMNED		NO DEFECT		OTHER		ARORTS	
AUC	NSN	NOUN	UNIT	AV MH	UNIT	AV MH	UNIT	AV MH	UNIT	AV MH	UNIT	AV MH	UNIT	AV MH	UNIT	AV MH	BFA	IFA
1226B	1377001187468	REEL ASSEMBLY, I	** NO AFM 66-1 DATA **															
	1377001278360	REEL, INERTIA LO	** NO AFM 66-1 DATA **															
	1377001336115	P																
		FAILURE	0	0.0	0	0.0	25	3.6	1	0.0	5	0.6	0	0.0	3	1.4	0	0
	1377001336116		** NO AFM 66-1 DATA **															
	9999999999999999	REEL INERTIAL																
		FAILURE	41	2.4	0	0.0	6	0.8	2	1.8	0	0.0	0	0.0	2	1.3	1	0
		OTHER	17	2.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
1226C	9999999999999999	STRAP SHOULDER																
		FAILURE	1	0.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
		OTHER	1	0.6	0	0.0	0	0.0	2	3.8	0	0.0	0	0.0	0	0.0		
1226D		PLATE PARA MOUNT	** NO AFM 66-1 DATA **															
1226F	1377008718153BF		** NO AFM 66-1 DATA **															
	9999999999999999	BUCKET SEAT																
		FAILURE	9	2.6	0	0.0	4	4.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0
		OTHER	2049	5.5	0	0.0	1	9.0	0	0.0	0	0.0	0	0.0	1	2.0		
1226K	1B70000608915BF	P	** NO BASELINE DATA. MASTER RECORD EABLISHED **															
		FAILURE	0	0.0	0	0.0	1	0.6	0	0.0	0	0.0	1	0.3	0	0.0	0	0
	1B70008903615BF	DROUG CHUTE AS	** NO AFM 66-1 DATA **															
	9999999999999999	PARACHUTE DROUG																
		FAILURE	1	0.5	0	0.0	0	0.0	4	9.2	0	0.0	0	0.0	0	0.0	0	0
		OTHER	115	1.7	0	0.0	4	0.4	0	0.0	2	1.2	0	0.0	0	0.0		

NOTE -- THIS REPORT IS ONLY ON MICROFILM.

Figure E-3i

WEAPON SYSTEM F004C 00ALC LOGISTIC SUPPORT COST FILE MAINTENANCE REGISTER K051.PN8L PAGE 1

CHANGED DATA ELEMENTS ARE DENOTED BY C <COMPUTER> OR M <MANUAL> DATE PROCESSED 75 FEB 01

FORCE INVENTORY 331 PERCENT CONUS 50 ITEM COST <CEM ONLY>

WUC	CAT IND	ACC	NSN	PRIME ALC	NOUN	ERRC	UNIT PRICE	WEIGHT OR SPEC	INV	OPA	SRA OR USE FCTR	% DEPOT CONDEMN	OLD WUC
1226B	C	G	1377001187468	D	REEL ASSEMBLY,I	C T C	$852.40.	C	6		C $72	--- C $0	122B6
		G C	137700127B360	D	REEL INERTIA LO	T C	$852.40		6		------	--- $0	122B6
			137700128B380	*** CHANGE TO 13771278360 ***									
	B	F	999999999999999		REEL INERTIA LO	-	$852.40		213	2	1.00		122B6
1226C		G	2925006842355	*** DELETED NO FIELD DATA HISTORY ***									
	C C	Y	999999999999999	M	STRAP SHOULDER	-	----------			M 2	1.00		
1226D	C	Y	999999999999999		PLATE PARA MOUN	T	----------			2	1.00		
1226F	M	G M	1377008718153BF	M E	----------	M T C	$10.21	C	1		------	C 0 $0	
REJECTED M2E F004C1226F 2925006842222 D										72187C	*** ILLOGICAL F/M ACTION		
1226F	C	F	999999999999999		BUCKET SEAT	-	$10.21			2	1.00		
1226K		G	1670008903615BF	E	DROGUE CHUTE AS	X	$329.60		6		------	0 $0	
	B	F	999999999999999		PARACHUTE DROGU	X	$329.00		314	2	.10		
1232D	B	Y	999999999999999		STRUCTURE	-	$1050.00			1	1.00		
12320		G	1560010461368F	E	CANOPY,MOVABLE	T	$2183.00		256		C $1317	23 $0	
		G	1560074069748F	E	CANOPY,MOVABLE	T	$21 7#		250		C $1307	C 2 $50	
	B	F	999999999999999		FWD CANOPY ASSY	-	$2150.00			1	1.00		
1321F	C	X	999999999999999		VALVE,RESTRICTO	N	$1.00		198	1	.50		
133XX				*** DELETED ***									
14XXX				*** DELETED ***									
15ABC				*** DELETED ***									
2321B		G	2840006903727	M J	DUCT,TRANSITION	M X	$891.30		40		$399	10 $15	
REJECTED M2E F004C2321B 2840006903728 E							45 01 ******* *****		240 *****	72287A			
2321B		G	492005944703	D	ARM,E,TENSION	U	$87.0		6		------	100 $0	
	B	A	999999999999999		INLET GUIDE VAN	-	----------			2	24.00		

NOTE--THIS REPORT IS ONLY ON MICROFILM.

Figure E-3j

P R E F A C E

I. PRODUCT PURPOSE.

TO PROVIDE MANAGEMENT VISIBILITY TO THOSE ITEMS AND COMPONENTS WHICH ARE DISPROPORTIONATE RESOURCE CONSUMERS.

II. COMPUTED DATA DEFINITIONS.

A. NATIONAL STOCK NUMBER LOGISTIC SUPPORT COST <NSN LSC> --- AVERAGE MONTHLY ACCRUED COST TO ACCOMPLISH DIRECTED AND CORRECTIVE MAINTENANCE ACTIONS ON A PIECE OF EQUIPMENT. ALL DATA UTILIZED IN THIS COMPUTATION ARE REFLECTED IN THE MAINTENANCE ACTION SUMMARY <LOG-MMO<Q>7215> AND THE LSC FILE MAINTENANCE REGISTER <K051.PN8L> APPLICABLE TO THE IDENTIFIED MISSION DESIGN SERIES <MDS>. PARTIAL COMPUTATIONS RESULTING FROM MISSING DATA ON THE LSC FILE MAINTENANCE REGISTER ARE DESIGNATED BY A <P> IN FRONT OF THE RANK.

B. RANK --- REFLECTS THE RELATIVE POSITION OF THE NSN LSC WITHIN THE MDS. A LOW VALUE INDICATES A POSSIBLE SYSTEM PROBLEM. IF THIS FIELD IS PRECEDED BY A <P>, THE VALUE PROBABLY IS TOO HIGH.

C. PERCENT SYSTEM --- RATIO OF THE NSN LSC TO THE TOTAL MDS FSN LSC.

D. NUMBER TO SHOP --- AVERAGE MONTHLY NUMBER OF UNITS REMOVED AND REPLACED DURING FIELD REPAIR.

III. SHOULD ADDITIONAL CLARIFICATION BE REQUIRED, REFERENCE AFLCM 66-18, CHAPTER 17, OR CONTACT THE K051 SYSTEM MANAGER, AUTOVON 633-4161, MCCLELLAN AFB, CALIFORNIA 95652

Figure E-3k

FSC 6007 MMC EF OCALC LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<Q>7213<5> K051.PW2L PAGE 19
AFM 65-110/66-1 DATA AS OF 74 NOV ITEM MANAGER NATIONAL STOCK NUMBER STATUS DATE PROCESSED 75 FEB 01

NSN	NSN NOUN	MDS	WUC	WUC NOUN		NSN LSC (BY WUC)	PERCENT SYSTEM	NUMBER TO SHOP	NSN RANK	TOTAL NSN LSC	TOTAL % SYSTEM
6607008201140EF	PLATFORM ASSY	A007D	71E37	GYRO ASSY		$270,132	96.120	83210	2	$270,132	96.120
		B052G	71G01	GYRO TABLE 11A	P	$311	.102	3			
			71G02	GYRO TABLE 4BA		$247	.060	14			
			71G03	FOR SECTION		$1,623	1.040	34			
			71G04	AFT SECTION	P	$44	.009	2			
			71G05	GYRO DRUM		$5,102	3.109	41			
			71G06	GYRO BEARINGS		$871	.291	16	P 114	$8,198	4.611
		0V010	23GM4	MAIN STRUT		$1,324	4.003	2	153	$1,324	4.003
6607009700131EF	PLATFORM GAPS	0V010	11AAC	FORW GAP		$1,034	4.163	9			
			11AAD	AFT GAP		$1,320	5.138	7	76	$2,354	9.301
6607009834511EF	PLATFORM CATCH	A007D	13AAB	BOLT CATCH		$39	1.066	6	497	$39	1.066
		B052G	41CDY	DORSAL LATCH		$413	6.030	3			
			42CFY	VENTRAL LATCH		$419	7.013	19			
			43AAB	AFT HINGE		$7	.050	2			
			44AAB	FORW HINGE		$7	.044	4	197	$846	13.137
		C123	19MMF	REAR LATCH		$1	.081	8	516	$14	.081
		C133	23ACX	REAR LATCH		$73	3.743	7	502	$73	3.743

NOTE - THIS REPORT IS ONLY ON PRINTOUT.

Figure E-31

<SEE NOTE BELOW>
AFM 65-110/66-1 DATA AS OF 74 JUN

LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<G>7213<6>
HIGH BURNER WORK UNIT CODES

K051.PW3L
DATE PROCESSED 74 AUG 01

	RANK	SYSTEM	WUC	CAT IND	NOUN	ITEM LSC PER HOUR	FORCE LSC PER MONTH	PERCENT SYSTEM	SYSTEM RANK	INSTALLED INVENTORY	OPERATING HOURS/MONTH
	1	F111E	76LA0	B	SCANNER CV-2630	$46.03	$57,763	6.442	1	88	1.255
	2	F111E	73AAJ	B	PLATFORM MODULE	$36.19	$45,424	5.066	2	88	1.255
P	3	WH53C	7751A	C	INTENSIFIER, VID	$31.90	$38,025	10.707	1	50	1.192
P	4	F111D	73PD0	B	XMTR T-1084/APQ	$26.48	$32,601	2.956	2	82	1.231
	5	FB111A	73HA0	B	ST PL M -81311A	$21.70	$23,496	3.393	1	70	1.083
P	6	C5A	72HP0	B	MSURMT UNIT INE	$20.67	$90,698	3.447	1	76	4.389
	7	F111D	73HCC	B	SCAN CONVERTER	$20.59	$50,686	4.596	1	164	2.462
	8	F111D	73PDD	B	TUBE ELECTRON-E	$19.80	$24,374	2.210	3	82	1.231
	9	F111D	73PME	B	PROC ASY FREQ 9	$18.84	$23,188	2.103	4	82	1.231
	10	F111D	73PA0	B	PNT AS-2230/APQ	$18.05	$22,213	2.014	5	82	1.231
	11	F111D	73HA0	B	ST PL MX-81311A	$17.03	$20,963	1.901	7	82	1.231
	12	F111F	73HA0	B	ST PL M -81311A	$16.85	$20,046	3.893	1	76	1.190
P	13	F111A	76DD0	B	REC,RADAR FWD	$16.23	$32,436	2.628	1	110	1.998
	14	F111D	73PCC	B	PROC ASSY MONO	$15.57	$19,166	1.738	8	82	1.231
	15	F111F	76LA0	B	SCNR SRCH CV-26	$15.37	$18,294	3.553	2	76	1.190
	16	F111E	73AB0	B	COMPUTER NAVIGA	$15.01	$18,841	2.101	3	88	1.255
	17	FB111A	73MAB	B	MOD TRKR/HOUSIN	$15.00	$16,250	2.347	2	70	1.083
	18	F100	52BD1	A	STABLE ELMT 464	$14.96	$64,091	2.462	1	236	4.285
	19	F111D	73HP0	B	CONV MULT CV-24	$14.94	$18,389	1.668	9	82	1.231

NOTE - THIS REPORT IS ONLY ON PRINTOUT. IT CONTAINS THE TOP 100 ITEMS FOR EACH OF THE FOLLOWING CATEGORIES - STANDARD EQUIPMENT, SPECIAL EQUIPMENT, AND SUPPORT GENERAL. AIRCRAFT, MISSILE, AND CEM WEAPON SYSTEMS ARE RANKED TOGETHER WITHIN EACH CATEGORY.

Figure E-3m

TYPE WEAPONS CARGOS - PART I LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<Q>7213<7> K051.PW4L PAGE 1
AFM 65-110/66-1 DATA AS OF 74 DEC WEAPON SYSTEM CORRELATION DATE PROCESSED 75 FEB 0
NOTE - COMPUTATIONS MADE WITH A SPECIAL INVENTORY ARE INDICATED BY AN ASTERISK.

FORCE STATISTICS

SYSTEM	C5A	C9A	C130A	C130B	C130E	C131	C141A
INVENTORY	47	12	135	175	110	327	9
FLYING HOURS	2,237	1,627	6,265	6,855	7,150	20,421	4,69
LANDINGS	2,243	1,987	8,581	8,715	4,428	24,572	3,80

COST PER AIRCRAFT PER MONTH AND COST PER OPERATING HOUR

SYSTEM	C5A	C9A	C130A	C130B	C130E	C131	C141A
XXXXX	$31,291	$6,571	$14,842	$8,636	$12,951	$6,561	$27,77
TOTAL WEAPON	$555	$45	$307	$211	$216	$143	$25
YYYYY	$1,626	$136	$1,502	$840	$1,257	$127	$32
TCTO MANHOURS	$37	$1	$33	$20	$23	$3	$
03XXX	$5,037	$2,589	$3,246	$1,969	$3,087	$1,929	$4,42
SCHEDULED INSPC	$89	$19	$67	$48	$51	$42	$4
04XXX	$1,078	$214	$404	$324	$462	$145	$80
SPECIAL INSPECT	$19	$2	$8	$8	$8	$3	$
11XXX	$1,785	$458	$472	$379	$1,077	$1,162	$58
AIRFRAME	$25	$3	$14	$8	$27	$18	$
12XXX	$427	$466	$55	$64	$308	$377	$17
COCKPIT	$6	$3	$2	$1	$8	$6	$
13XXX	$6,996	$532	$168	$172	$410	$511	$31
LANDING GEAR	$99	$4	$5	$4	$10	$8	$
14XXX	$1,422	$175	$139	$119	$272	$375	$26
FLIGHT CONTROL	$20	$1	$4	$2	$7	$6	$4
21XXX			$490	$417			
RECIPROCATING			$7	$4			
22XXX					$1,464	$1,051	$1,37
TURBO PROP					$9	$4	$
23XXX	$4,378	$463	$619	$363			
TURBO JET/FAN	$15	$2	$9	$4			

NOTE - THIS REPORT IS ONLY ON PRINTOUT.

Figure E-3n

TYPE WEAPONS CARGOS - PART II LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<Q>7213<7> K051,PW4L PAGE 1
SYSTEM HC130H KC135A

TYPE WEAPONS BOMBERS LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<Q>7213<7> K051,PW4L PAGE 1
SYSTEM B52G B52H B57 FB111A

TYPE WEAPONS DRONES LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<Q>7213<7> K051,PW4L PAGE 1
SYSTEM AQM34A BQM34A BQM34F

TYPE WEAPONS FIGHTERS - PART I LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<Q>7213<7> K051,PW4L PAGE 1
SYSTEM A7D F4C F4D F4E F100 F102 F104

TYPE WEAPONS FIGHTERS - PART II LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<Q>7213<7> K051,PW4L PAGE 1
SYSTEM F105B F105D F105F F106 F111A F111D F111F

TYPE WEAPONS FIGHTERS - PART III LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<Q>7213<7> K051,PW4L PAGE 1
SYSTEM F111F F15A RF4C

TYPE WEAPONS TRAINERS LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<Q>7213<7> K051,PW4L PAGE 1
SYSTEM A37 T29 T33A T37 T38 T39

TYPE WEAPONS MISCELANEOUS LOGISTIC SUPPORT COST RANKING RCS LOG-MMO<Q>7213<7> K051,PW4L PAGE 1
SYSTEM O2 CH3C HH43 HH53C OV10 UH1F UH1N

Figure E-3o

LOGISTIC SUPPORT COST RANKING

GROUND CEM EQUIPMENTS

AFM 65-110/66-1 DATA AS OF 74 SEP
PROCESSED 74 DEC 13
K051,PZ1L
PAGE 3

RCS LOG-MM0<Q>7213<8>

MDS	AVG MONTHLY FORCE LSC	FORCE INV	AVERAGE MONTHLY ITEM LSC	RANK	EQUIV MONTHS	RATE RANK	PRIME DIV
407L8LX	$16,480	13	$1,268	37	307.1	26	MMH
<TSQ093V>							
407L8LZ	$29,167	24	$1,215	38	396.0	32	MMH
<TTC030 >							
407L8LC	$61,701	51	$1,210	39	101.5	9	MMH
<TRC087 >							
407L8LG	$27,469	23	$1,194	40	210.5	20	MMH
<TSC60V1>							
FPS006	$72,290	88	$821	41	242.9	22	MMH
DSP4HH	$736	1	$736	42	163.0	15	MMH
<GIC021 >							
FPS026	$34,859	50	$697	43			MMH
465L5AQ	$7,503	12	$625	44	143.9	13	MMH
<FYQ023 >							
FYQ047	$78,899	127	$621	45	176.5	17	MMH
407L8LM	$14,285	26	$549	46	114.7	11	MMH
<TSQ061 >							
465L5AF	$26,133	48	$544	47	837.1	46	MMH
<FYQ006 >							
TSC038B	$11,739	22	$534	48	1,218.1	49	MMC
407L8KT	$8,508	18	$473	49	151.4	14	MMH
<TGC028 >							
407L8LH	$10,619	23	$462	50			MMH
<TSC60V2>							
MPN014G	$22,459	60	$374	51	4,434.6	55	MMC
DSP4HA	$662	2	$331	52			MMH
<GYQ015 >							

Figure E-3p

SYSTEM AVAILABILITY MODEL
SELECTED EQUIPMENT WORK UNIT CODES

WEAPON SYSTEM T037
PRIME SAAMA

AFM 65-110/66-1 DATA AS OF 73 DEC
PROCESSED 74 FEB 01
K051.YN1L

RANK	ITEM	REFERENCE REPORT DATE	CAT IND	WUC	NOUN	LOG-MMO<G>7216<4> FORCE DEGRADATION CONTRIBUTION	CUMULATIVE DEGRADATION CONTRIBUTION
1			C	14615	SPOILER LINKAGE	19.972	19.972
2			A	23JAG	TIME DELAY RELA	19.813	39.785
3			A	13413	PEDAL LINKAGE	10.132	49.917
4			B	51227	AMPLIFIER ST	8.723	58.640
5			C	63215	UHF RELAY	5.872	64.512
6			B	46223	DEFUELING VALVE	4.013	68.525
7			A	23CAS	SEAL FT SH LABY	3.123	71.648
8			B	41132	PLENUM CHAMBER	1.218	72.860

NOTE - THIS REPORT IS ONLY ON MULTILITH MASTERS.
IT CONTAINS THE TOP 20 EQUIPMENT WORK UNIT CODES.

Figure E-3q

WEAPON SYSTEM F004C 00AMA SYSTEM AVAILABILITY MODEL RCS LOG-MMO<Q>7216<5> K051.YN3M PAGE 1
AFM 65-110/66-1 DATA AS OF 73 DEC WORK UNIT CODE STATUS DATE PROCESSED 74 FEB 01

WUC	NOUN	CAT IND	FORCE DEGRADATION CONTRIBUTION: CURRENT QTR RANK	CURRENT QTR PERCENT	1ST PREV QTR RANK	1ST PREV QTR PERCENT	2ND PREV QTR RANK	2ND PREV QTR PERCENT	3RD PREV QTR RANK	3RD PREV QTR PERCENT
11XXX				70.082		78.528		11.569		45.151
12XXX				20.005		13.225		10.239		15.113

WEAPON SYSTEM F004C 00AMA SYSTEM AVAILABILITY MODEL RCS LOG-MMF>Q>7216<5> K051.YN3M PAGE 3
AFM 65-110/66-1 DATA AS OF 73 DEC WORK UNIT CODE STATUS DATE PROCESSED 74 FEB 01

WUC	NOUN	CAT IND	FORCE DEGRADATION CONTRIBUTION: CURRENT QTR RANK	CURRENT QTR PERCENT	1ST PREV QTR RANK	1ST PREV QTR PERCENT	2ND PREV QTR RANK	2ND PREV QTR PERCENT	3RD PREV QTR RANK	3RD PREV QTR PERCENT
11230	OUTER WING SECTION	A	46	46.321	51	39.223				
11239	NOC	C	737	0.099						
112XX				46.420		39.223				
11318	AFT VARIABLE RADOM	C			332	9.943	731	0.984	659	1.863
113<C	RING ASSY BELLMOUTH	B	268	1.655	124	15.027	110	10.585		
113<0	BELLMOUTH SYSTEM	C	95	21.002	77	21.334			2º	43.288
11338	CYLINDER ASSY	B	373	1.005	529	2.001				
113XX				23.662		39 305		11.569		45.151
12000	CPIT FUS COMPTS	A	99	20.005	101	13.225	125	10.239	121	15.113
120XX				20.005		13.225		10.239		15.113

NOTE - THIS REPORT IS ONLY ON MICROFILM.

Figure E-3r

WEAPON SYSTEM F004C 00AMA SYSTEM AVAILABILITY MODEL RCS LOG-MM0<0>7216<2> K051.7N4M PAGE 1
AFM 65-110/66-1 DATA AS OF 73 DEC WORK UNIT CODE COMPUTATION DATA DATE PROCESSED 74 FEB 01
NOTE - WORK UNIT CODES RANKING FOR THE FIRST TIME ARE INDICATED BY AN ASTERISK.

WUC		NOUN	CAT IND	QPA	SPEC INV	UNSCHED NORM HRS	NORS HRS	BFA	IFA	SCHED MAINT HRS	UNSCHED MAINT HRS	OLD WUC
11230	C	OUTER WING SECTION	C A C	2 C	1100	100.4	262.0	0	0	1.6	1.9	
*11239	C	NOC	C C C	1 C	100	3.5	0.0	0	0	0.1	0.9	
112XX						103.9	262.0	0	0	1.7	2.8	
11318	C	AFT VARIABLE RADOM	C C C	5 C	3	0.0	0.0	0	0	0.0	0.0	
11320		RING ASSY BELLMOUTH	B	4	10	50.0	1.3	0	0	0.8	0.4	
11320		BELL MOUTH SYSTEM	C	2	100	25.1	32.3	0	0	0.4	3.2	11318
11338		CYLINDER ASSY	B	3	100	0.0	0.0	1	0	0.0	0.1	
113XX						75.1	33.6	1	0	1.2	3.7	
11XXX						179.0	295.6	1	0	2.9	5.6	
12000		CPIT FUS COMPTS	C	6	200	950.2	546.9	0	0	15.0	1.6	
120XX						950.2	546.9	0	0	15.0	1.6	
*1211A		FLOORING PANELS	B	3		0.0	0.0	0	0	0.0	0.3	
1211C		**84 MASTER DELETED**										
1211G		PANEL MAIN INSTRUME	C	2	100	0.0	0.0	0	0	0.0	0.3	
121XX						0 0	0.0	0	0	0.0	0.3	
12AXX						0.0	0.0	0	0	0.0	0.3	
13000		LANDING GEAR	B	1	200	14.6	0.0	0	0	0.2	0.0	

NOTE - THIS REPORT IS ONLY ON MICROFILM.

Figure E-3s

WEAPON SYSTEM T037 SAAMA SYSTEM AVAILABILITY MODEL RCS LOG-MMOC>7216<3> PAGE 1
AFM 65-110/66-1 DATA AS OF 73 DEC AIRCRAFT STATUS DATE PROCESSED 74 FEB 01

TAIL NUMBER	FORCE DEGRADATION CONTRIBUTION: CURRENT QTR RANK	CURRENT QTR PERCENT	1ST PREV QTR RANK	1ST PREV QTR PERCENT	2ND PREV QTR RANK	2ND PREV QTR PERCENT	3RD PREV QTR RANK	3RD PREV QTR PERCENT	AIRCRAFT AVAILABILITY PERCENT	INVENTORY TERMINATION
66000120	8	4.273	8	9.137	9	6.901	20	10.812	19.317	
66000182	5	5.421	3	12.152	3	11.812	27	12.972	50.012	
66000192	4	6.782	4	13.812	2	16.812	34	13.612	28.013	
66000312	11	3.201	1	6.214	16	2.712	5	6.723	1.312	TA 72100
66000318	3	6.998	1	17.812	1	17.218	30	12.721	10.072	
66000320	6	5.209	6	10.723	11	6.312	21	15.017	21.123	
66001234	16	2.123	4	3.321	15	3.213	2	2.456	5.273	
66001723	7	4.128	5	8.721	10	6.777	6	5.716	28.123	
66002181	2	7.512	25	8.172	6	9.813	13	11.213	47.023	
66003123	13	2.903	34	3.765	12	4.444	8	8.321	6.312	
66003234	10	3.412	12	7.123	5	9.987	4	5.716	2.876	
66004712	12	3.111	61	2.367	13	3.876	1	2.131	20.012	
66004826	9	3.872	10	5.726	8	7.472	3	2.728	30.072	
66005678	14	2.456	52	3.002	14	3.472	9	8.726	10.123	
67000217	7	4.872	7	9.813	7	8.371	11	8.312	9.812	
68001234	16	2.123	4	3.321	15	3.213	2	2.456	5.273	
68001723	7	4.128	5	8.721	10	6.777	6	5.716	28.123	
68002181	2	7.512	25	8.172	6	9.813	13	11.213	47.023	
68003123	13	2.903	34	3.765	12	4.444	8	8.321	6.312	
68003234	10	3.412	12	7.123	5	9.987	4	5.716	2.876	
68004712	12	3.111	61	2.367	13	3.876	1	2.131	20.012	
68004826	9	3.872	10	5.726	8	7.472	3	2.728	30.072	
68005678	14	2.456	52	3.002	14	3.472	9	8.726	10.123	
69000217	7	4.872	7	9.813	7	8.371	11	8.312	9.812	

NOTE - THIS REPORT IS ONLY ON MICROFILM.

Figure E-3t

WEAPON SYSTEM F004C 004MA SYSTEM AVAILABILITY MODEL RCS LOG-"M0C03721C1" K061.YM6" PAGE 1
AFM 65-110/66-1 DATA AS OF 73 DEC AIRCRAFT COMPUTATION DATA DATE PROCESSED 74 FEB 01
NOTE - AIRCRAFT RANKING FOR THE FIRST TIME ARE INDICATED BY AN ASTERISK.

TAIL NUMBER	HRS POSSESSED DEPOT	HRS POSSESSED BASE	UTILIZATION FLY HRS	UTILIZATION SORTIES ATTEMPTED	UTILIZATION SORTIES	-ABORTS- B/F	-ABORTS- I/F	NOT OPERATIONALLY READY HRS --- MAINTENANCE --- DEPOT	UNSCHED	SCHED	SUPPLY DEPOT	SUPPLY BASE	MAINT MANHOURS SCHED	MAINT MANHOURS UNSCHED	INVENTORY TERMINATION
*63000434	2038.8	121.2	0.0	0	1	0	1	2038.8	0.0	0.0	4.3	0.0	0.0	0.0	
63007411	0.0	2160.0	78.5	50	52	2	0	0.0	401.8	128.0	0.0	17.0	206.0	402.0	
63007414	0.0	760.0	92.4	66	66	0	0	0.0	128.0	604.6	2.5	283.7	1024.8	82.5	
63007417	750.0	1410.0	76.3	58	58	0	0	680.0	0.0	300.0	0.0	98.3	420.0	130.0	TM 73066
63007418	0.0	2160.0	76.5	54	54	0	0	0.0	0.0	327.5	0.0	0.0	350.0	0.0	
63007420	240.0	1919.2	40.8	32	32	0	0	210.0	0.0	501.0	0.0	195.4	534.6	0.0	
63007421	0.0	2160.0	53.7	32	32	0	0	0.0	112.7	196.6	8.3	0.0	367.8	0.0	
*65000434	2038.8	121.2	0.0	0	1	0	1	2038.8	0.0	0.0	4.3	0.0	0.0	0.0	
65007411	0.0	2160.0	78.5	50	52	2	0	0.0	401.8	128.0	0.0	17.0	206.0	402.0	
65007414	0.0	760.0	92.4	66	66	0	0	0.0	128.0	604.6	2.5	283.7	1024.8	82.5	
65007417	750.0	1410.0	76.3	58	58	0	0	680.0	0.0	300.0	0.0	98.3	420.0	130.0	TM 73066
65007418	0.0	2160.0	76.5	54	54	0	0	0.0	0.0	327.5	0.0	0.0	350.0	0.0	
65007420	240.0	1919.2	40.8	32	32	0	0	210.0	0.0	501.0	0.0	195.4	534.6	0.0	
65007421	0.0	2160.0	53.7	32	32	0	0	0.0	112.7	196.6	8.3	0.0	367.8	0.0	

NOTE - THIS REPORT IS ONLY ON MICROFILM.

Figure E-3u

K051.YR1L SYSTEM EFFECTIVENESS REPORT RCS LOG-MM<Q>7372
DATE PROCESSED 73 NOV 01 AFM 65-110/66-1 DATA AS OF 73 SEP

WEAPON SYSTEM T057 PRIME SAAMA

ITEM NUMBER WUC NOUN

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EFFECTIVENESS MODEL RANKS

COST ----- AVAILABILITY ----- SAFETY -----

MTBF ----- MIBMA ----- QPA -----

MOST KNOWLEDGEABLE
EQUIPMENT TECHNICIAN/OFFICE/EXT

PROBLEM

ACTION TAKEN

EXPECTED RESULT / GET WELL DATE

Figure E-4

APPENDIX 4-5F

SELECTED ENGINE MANAGEMENT PRODUCTS,
PRODUCT PERFORMANCE SYSTEM (DO24)

Index, DO24 Output Reports

PCN	RCS	Title	Page
DO24AEH1A	LOG-MMP(Q)7101	Propulsion Unit Operating Time and Reconciliation Report, Part I, Quarterly Operating Time Listing	4-5F-3
DO24AEH1A	LOG-MMP(Q)7101	Part II, Reconciliation Listing	4-5F-5
DO24BBE1W	–	ENORS Uninstalled Engine Status Report Summary by Command	4-5F-7
DO24BBE2W	–	ENORS Command History	4-5F-9
DO24BBJ1W	LOG-MMP(W)7212	ENORS Uninstalled Engine Status Report	4-5F-11
DO24BBN1W	–	ENORS Uninstalled Engine Status Report, Type	4-5F-13
DO24BBR1W	–	ENORS Uninstalled Engine Status Report Summary by Serial Number	4-5F-15
DO24BCD1M	LOG-MMP(M)7220	Propulsion Unit Reparable Report (EIM OCALC)	4-5F-17
DO24BGU1M	LOG-MMP(M)7224	Propulsion Unit Foreign Object Damage Report	4-5F-19
DO24BJG2M	Exempt	Propulsion Unit Reporting System Overhaul and Base Maintenance Completions	4-5F-21
DO24CDC3W	LOG-MMP(W)7204	Spare Engine Report	4-5F-23
DO24CHS1M	LOG-MMP(M)7203	OCALC Propulsion Unit Resupply Time Report	4-5F-25
DO24DAE1Q	LOG-MMP(Q)7237	Propulsion Unit Pipeline Analysis, Part I - By Family Command, & Station	4-5F-27
DO24FIO21	LOG-MMX(Q)7110	Installed Aircraft Engine Report	4-5F-29
DO24FIO22	Exempt	OFR Technical Data Record	4-5F-31
DO24FIO23	LOG-MMX(Q)7115	Aircraft Engine Exposure Product	4-5F-33
DO24FIO31	LOG-MMX(Q)7111	Aircraft Engine Removal and Loss Report	4-5F-35
DO24FNO21	LOG-MMX(Q)7116	Aircraft Engine Exposure Product	4-5F-37

PCN	RCS	Title	Page
DO24FNO22	LOG-MMX(Q)7120	Aircraft Engine Combined Failure Rate Product	4-5F-39
DO24FNO23	LOG-MMX(Q)7112	Aircraft Engine Experience Analysis Product	4-5F-41
DO24FRO11	LOG-MMX(Q)7121	Aircraft Engine Overhaul Failure Rate Product	4-5F-43
DO24FRO21	LOG-MMX(Q)7117	Aircraft Engine Field Maintenance Failure Rate Product	4-5F-45
DO24FRO31	LOG-MMX(Q)7119	Aircraft Engine Combined Failure Rate Product	4-5F-47
DO24FRO41	LOG-MMX(Q)7122	Aircraft Engine Overhaul Failure Rate Product	4-5F-49
DO24FRO51	LOG-MMX(Q)7118	Aircraft Engine Field Maintenance Failure Rate Product	4-5F-51
DO24FYO11	LOG-MMX(Q)7114	Aircraft Engine Experience Analysis Product	4-5F-53
DO24KPO31	LOG-MMX(Q)7105	Forecasted Aircraft Engine Removals by Quarter, W/W	4-5F-55
DO24KPO41	LOG-MMX(Q)7106	Forecasted Aircraft Engine Removals by Quarter, By Command	4-5F-57
DO24KPO61	LOG-MMX(Q)7107	Official USAF Actuarial Removal Interval and Engine Life Expectancy Tables	4-5F-59

TITLE: Propulsion Unit Operating Time and Reconciliation Report, Part I, Quarterly Operating Time Listing

PRODUCT NO: D024AEH1A

FREQUENCY: Quarterly

DATE DUE OUT: 22nd Day of Mar, Jun, Sep, Dec.

DISTRIBUTION: All AF Activities

PURPOSE: Obtaining operating time reports for actuarial purposes and reconciliation of base engine assets.

RCS: LOG-MMP(Q)7101

PROPULSION UNIT OPERATING TIME AND RECONCILIATION REPORT

[illegible] DATE 73 MAY 2 — QUARTERLY OPERATING TIME LISTING — COMAEMIA PART I

SEQUENCE-C-M-C-END ITEM-END ITEM SERIAL NUMBER

FOR EXPLANATION OF AND PROCEDURES TO FOLLOW REFERENCE VOLUME II OF AIR FORCE MANUAL 400-1.

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 5	BL 6	BL 7	BLOCK 8	BLOCK 9	BL 10-11	BLOCK 19	BLOCK 28	BLOCK 29	BL 30
MISSILE BASE	AREA	SERIAL NUMBER	COMMAND CODES	STATION NUMBER	ACCT CODE	TYPE RPT	REPORT-DATE		SCD-NR	TRAN & COND	OPERATING TIME	AIRCRAFT DESIGNATION	AIRCRAFT SERIAL NUMBER	POSN NR
[illegible]		68453INJ	THF	2P23	A	T	73090	03		VA	00212	F004	66CC01CR	2
[illegible]		P30595	THF	2P23	A	T	73090	03		VA	02045	M32A60	68CE78	
[illegible]		P31A95	THF	2P23	A	T	73090	03		VA	00110	M32A60	68CE9C	
[illegible]		P30595	THF	2P23	A	T	73090	03		VA	00000	M32A60	68CE92	
[illegible]		P31A96	THF	2P23	A	T	73090	03		VA	00000	M32A60	68CE94	
[illegible]		P30725	THF	2P23	A	T	73090	03		VA	00102	M32A60	68CE85	

TITLE: Propulsion Unit Operating Time and Reconciliation Report, Part II, Reconciliation Listing

PRODUCT NO: D024AEH1A

FREQUENCY: Quarterly

DATE DUE OUT: 22nd Day of Mar, Jun, Sep, Dec.

DISTRIBUTION: All AF Activities

PURPOSE: Obtaining operating time reports for actuarial purposes and reconciliation of base engine assets.

RCS: LOG-M4P(Q)7101

PROPULSION UNIT OPERATING TIME AND RECONCILIATION REPORT

PREPARATION DATE 23 MAR 00 RECONCILIATION LISTING DC20AEM1A
SEQUENCE OF REPORT--CMD-ENGINE-TMS-ENGINE SERIAL NUMBER PART II

FOR EXPLANATION OF AND PROCEDURES TO FOLLOW REFERENCE VOLUME II OF AIR FORCE MANUAL 400-1.

B COL 1	BLOCK 2	BLOCK 3	BLOCK 5	BL 6	BL 7	BLOCK 8	BLOCK 9	BL 10-11	BLOCK 12	BLOCK 28	BLOCK 29
ENGINE DESIGNATION	SERIAL NUMBER	COMMAND CODES	STATION NUMBER	MODE CODE	TYPE RPT	AS OF DATE	SEQ-NR	TRAN & CONC	SHIP TO CMD BASE	AIRCRAFT DESIGNATION	AIRCRAFT SERIAL NUMBER
J0[illegible]15	0E418139	THF	2823	A	R	73074	030116	JE			
J0[illegible]74	0E450331	THF	2823	A	R	73068	030362	LE			
J0[illegible]15	0E434221	THF	2823	A	R	72357	120203	FE			
J0[illegible]15	0E474557	THF	2823	A	R	73075	030145	EF			
J0[illegible]15	0E459157	THF	2823	A	R	73074	030118	JF			
J0[illegible]15	0E440164	THF	2823	A	R	73075	030143	FE			

TITLE: ENCRD Uninstalled Engine Status Report Summary by Command

PRODUCT NO: D024B0E1W

FREQUENCY: 4 times per month

DATE DUE OUT: 3rd, 9th, 17th, and 24th calendar day

DISTRIBUTION: Major CMDS, NEM MAJs, SQ AFLC, HQ USAF

PURPOSE: Provides data for surveillance and control of conditions where maintenance work stoppage resulted from nonavailability of parts. Serves also as a basis for analysis of engine spare parts logistics by command.

PERIOD 01-15 FEB 73

ENDRS UNINSTALLED ENGINE STATUS REPORT
COMMAND, FAMILY GROUP AND STATION NUMBER

0.24RPSIN
PAGE 11

CMD FAMILY GROUP	STATION NAME	ON HAND	CLEARED NO	CLEARED AV-DA	OUTSTANDG NO	OUTSTANDG PCNT	ENDRS AGE IN DAYS 01-05	06-10	11-15	16-20	21-25	26-30	31-UP	ASSET DAYS	ENDRS DAYS	ENDRS PERCENT
ANG J57-55	ANG-AR-JACKS	3			1	33.33							1	45	15	33.33
	ANG-KY-LVLS	2												23		
	ANG-MF-BANGO	6			2	33.33					1		1	90	30	33.33
	ANG-MN-DULUT	5	1	191.0										81	10	12.34
	ANG-MS-MERID	2												30		
	ANG-NV-RENO	14	2	10.5	1	7.14							1	212	33	15.56
	ANG-NY-NIAGA	6			2	33.33			1				1	90	29	32.22
	ANG-ND-FARGO	6	1	8.0	3	50.00	2			1				97	40	41.23
	ANG-OR-PORTL	5	2	73.0	4	80.00	1					1	2	76	59	77.63
	ANG-TX-HUSTN	3	1	22.0	1	33.33							1	45	21	46.66
	ANG-WA-SPOKA	7			2	28.57						2		112	30	26.78
TOT J57-55	FEB 73	59	7	55.4	16	27.11	3	1	1	1	3	7		901	267	29.63
DAYS IN PERIOD 15										AVERAGE DAILY RATE				60.06	17.80	29.63

TITLE: ENORS Command History

PRODUCT NO: D024BBS2W

FREQUENCY: 4 times per month

DATE DUE OUT: 3rd, 9th, 17th, and 24th calendar day

DISTRIBUTION: Major CMDS, EIM MCAs, EQ MFLC, EQ USAFE

PURPOSE: Same as D024BBD1W except this product summarized by command.

PERIOD 01-25 FEB 73

ENDRS UNINSTALLED ENGINE STATUS REPORT
COMMAND - TYPE ENGINE HISTORY

D024B8EZM
PAGE 21

CMD	TYPE ENG	MONTH	ON HAND	CLEARED NO	CLEARED AV-DA	OUTSTANDING NO	OUTSTANDING PCNT	ENDRS AGE IN DAYS 01-05	06-10	11-15	16-20	21-25	26-30	31-UP	ASSET DAYS	ENDRS DAYS	ENDRS PERCENT
A4C	JET	FEB 73	38	4	7.7	2	5.26				2				571	55	9.63
	RECIP		8			1	12.50			1					125	9	7.20
	OTHER		16	4	10.8	1	6.25					1			245	37	15.10
	TOTAL		62	8	9.1	4	6.45			1	2	1			941	101	10.73

TITLE: ENORS Uninstalled Engine Status Report

PRODUCT NO: DO24BBJ1W

FREQUENCY: 4 time per month

DATE DUE OUT: 3rd, 9th, 17th, 24th Cal. day

DISTRIBUTION: USAF, AFLC, EIM ANRs

PURPOSE: Provides data for surveillance and control of conditions where maintenance and work stoppage resulted from lack of engine spare parts. Shows above data for possessor and family group.

RCS: LOG-MCP(M)7212

4-5F-11

PERIOD 01-15 FEB 73

ENDRS UNINSTALLED ENGINE STATUS REPORT
SAAMA BY FAMILY GROUP

FAMILY GROUP	STATION NAME	ON HAND	CLEARED NO	CLEARED AV-DA	OUTSTANDING NO	OUTSTANDING PCNT	ENDRS AGE IN DAYS 01-05	06-10	11-15	16-20	21-25	26-30	31-UP	ASSET DAYS	ENDRS DAYS	ENDRS PERCENT
GTCP85-180	PLATTSBURGH	4												60		
	PEASE AFB NH	4												60		
	SEYMR JHN RC	1												15		
	MACDILL AFB	2												30		
	NELLIS AFB N	10	1	10.0	1	10.00							1	150	23	15.33
	CANNON AFB	6												90		
	MTN HOME AFB	5												75		
	ELPENDRF AK	3												45		
	ERCN AFLD	1												6		
	TAFHLI RIAFB	6												73		
	MILDENHALL	1												15		
	UPPER HEYFOR	6												90		
	TORREJON AB	5												75		
	RAMSTEIN AB	2												29		
	HAHN AB	1												13		
	SPANDDAHLEM	2												31		
	CMP N AMSYDR	2												30		
GTCP85-181	FEB 73	61	1	10.0	1	1.63							1	899	23	2.55
DAYS IN PERIOD 15											AVERAGE DAILY RATE			59.93	1.53	2.5

GTCP85-180

TITLE: EMORS Uninstalled Engine Status Report, Type

PRODUCT NO: DO24BBN1W

FREQUENCY: 4 times per month

DATE DUE OUT: 3rd, 9th, 17th, 24th Cal. day

DISTRIBUTION: Same as DO24BBJ1W

PURPOSE: Same as DO24BBJ1W except this product is summarized by engine type.

PERIOD 01-31 MAR 73 ENCRS UNINSTALLED ENGINE STATUS REPORT RCS LOG-MMPC(M)7212 EGG4RPA1W
TYPE PAGE 1

ENGINE TYPE	ON HAND	CLEARED NO	OUTSTANDING NO	PCNT
D140	1	0	0	0.00
D141	12	2	0	0.00
D501	3	0	0	0.00
CP107	2	0	0	0.00
CP115	2	0	0	0.00
CP165	49	17	14	28.57
CP551	100	6	8	8.00
CP553	169	23	20	11.83
CP859	3	0	0	0.00
F0C3L	125	29	15	12.00
F0033	254	55	31	12.20
F0039	106	13	4	3.77
F[illegible]42	45	10	3	6.66
F7035	306	23	15	4.90
CF870	48	3	3	6.25
C0400	20	1	0	0.00
J0033	194	35	13	6.70
J0142	28	0	0	0.00
J0147	73	4	2	2.73

TITLE: ENORS Uninstalled Engine Status Report Summary by Serial Number

PRODUCT NO: DO24BBR1W

FREQUENCY: 4 times per month

DATE DUE OUT: 3rd, 9th, 17th, 24th Cal. day

DISTRIBUTION: Same as DO24BBE1W

PURPOSE: Same as DO24BBE1W except this product summarized by engine serial number.

PERIOD 01- 7 FEB 73
COMMAND AFE

ENDRS UNINSTALLED ENGINE STATUS REPORT
BY ENGINE SERIAL NUMBER

ENGINE FAMILY GROUP	SERIAL NUMBER	COMMAND	STATION NUMBER	STATION NAME	ACCOUNT	TYPE REPORT	ENGINE STATUS	AS OF DATE	SEQUENCE NUMBER
GTCP85-197	P19782	DC	5518	MILDENHAL	A	R	EF	[illegible]	020141
	P19758	DC	5518	MILDENHALL	A	R	EF	1 [illegible]	020210
	P24524	DC	5518	MILDENHALL	A	R	EF	5 [illegible]	020262
	P30471	DC	5518	MILDENHALL	A	R	EF	27 [illegible]	020364
	P30382	DC	5518	MILDENHALL	A	R	EF	19 JAN 73	010246
	P30454	DC	5518	MILDENHALL	A	R	EF	18 JAN 73	010214
	P30575	DC	5518	MILDENHALL	A	R	EF	5 FEB 73	020443
	P31052	DC	5518	MILDENHALL	A	R	EF	1 FEB 73	020009
	P31109	DC	5518	MILDENHALL	A	R	EF	1 FEB 73	020009
GTCP85-12,92,62,65,71,71A	23P9042	DC	5518	MILDENHALL	A	R	EF	31 JAN 73	020001
	61P5574	DC	5518	MILDENHALL	A	R	EF	1 FEB 73	020012
TF30-3	P 659785	DC	5537	UPPER HEYFOR	A	R	EF	1 FEB 73	020009
	P 659835	DC	5537	UPPER HEYFOR	A	R	EF	1 FEB 73	020016
	P 659246	DC	5537	UPPER HEYFOR	A	R	EF	24 JAN 73	010149
J57-59W	P 601491	DC	5518	MILDENHALL	A	R	EF	1 FEB 73	020016
J79-15,15A	GE438255	DC	5587	LAKENHEATH	A	R	EF	17 JAN 73	010210
	GE438478	DC	5587	LAKENHEATH	A	R	EF	2 FEB 73	020042
	GE419884	DE	5621	SEMBACHLEM	A	R	ER	23 JAN 73	010176
	GE438098	DC	5643	ALCONBURY	A	R	EF	7 FEB 73	020142
	GE434273	DC	5643	ALCONBURY	A	R	EF	3 FEB 73	020013
J79-17,17A	GE433278	DG	5573	TORREJON AB	A	R	EF	11 JAN 73	010104
	GE439520	DG	5573	TORREJON AB	A	R	ER	18 JAN 73	010144
	GE453375	DE	561	RAMSTEIN AB	A	R	EF	6 FEB 73	020047
	GE453390	DG	5685	TUSLOG-10	A	R	EB	30 JAN 73	020011
	GE430741	DE	5688	CMR N AMSTDM	A	R	EF	12 JAN 73	010019
	GE453149	DE	5688	CMD N AMSTDM	A	R	EF	31 JAN 73	010179
J60-3,A	P 637115	DA	560A	WIESBADEN AB	A	R	EF	1 FEB 73	020011
F2800-103,W	P 034621	DE	5615	RHEIN MAIN	A	R	ER	6 FEB 73	020076
	WR511213	DE	5615	RHEIN MAIN	A	R	E	29 NOV 72	111143
T56-7,7A,7B	A 102997	DC	5518	MILDENHALL	A	R	EF	19 JAN 73	010158
	A 101998	DE	5615	RHEIN MAIN	A	R	EB	6 FEB 73	020022
	A 103955	DE	5615	RHEIN MAIN	A	R	EB	6 FEB 73	020024

TITLE: Propulsion Unit Reparable Report (EIM OCAMA)

PRODUCT NO: DO24BCD1M

FREQUENCY: Monthly

DATE DUE OUT: 6th work day

DISTRIBUTION: AFLC (MMP) and OCAMA (MMTT), SAAMA (DSDE)

PURPOSE: Used for maintenance and support action to prevent engines from remaining too long in a reparable status. The product reflects the history of each engine from the time it is reported reparable until it is reported serviceable or installed.

RCS: LOG-MMP(M)7220

PROPULSION UNIT REPARABLE REPORT

PERIOD ENDED 73 FEB 28 — OCAMA ENGINE ITEM MANAGER — PROJECT NO DUPAMCEIM

SEQUENCE BY ENG DESIG, E-I DESIG, ENG SERIAL NO., DATE, SEQ. NO. — PAGE NO 245

ENGINE DESIGNATION	SERIAL NUMBER	E-I DESIG	REPORT SEQ NO	MAJ CMD	STATION NO	STATION NAME	LAST OVH AGENCY NO	LAST OVH AGENCY NAME	TRAN-COND CODE	TYPE REPT	AS OF DATE	REMOVAL CODE DESCRIPTION	OPER TIME
TF33A1002	A 141372		091458	FD	2039	TINKER AFB	2039	TINKER AFB	CL	R	72 SEP 27		
			100149	FD	2039	TINKER AFB			PL	R	72 SEP 29		
			121752	FD	2039	TINKER AFB			JL	R	72 DEC 28		
			020255	FD	2039	TINKER AFB			CL	R	73 FEB 0		
			021352	FD	2039	TINKER AFB			FR	R	73 FEB 2		
TF33A1002	A 141502		011219	FD	2039	TINKER AFB			CL	R	73 JAN 1		
			011304	FD	2039	TINKER AFB			PL	R	73 JAN 11		
			011722	FD	2039	TINKER AFB			MR	R	73 JAN 24		
			011723	FD	2039	TINKER AFB			JK	R	73 JAN 27		
			020233	FD	2039	TINKER AFB			FR	R	73 FEB 0		
TF33A1002	A 141535		111595	FD	2039	TINKER AFB	2039	TINKER AFB	CL	R	72 NOV 20		
			111596	FD	2039	TINKER AFB			PL	R	72 NOV 2		
			112166	FD	2039	TINKER AFB			JL	R	72 NOV 28		
			011320	FD	2039	TINKER AFB			GL	R	73 JAN 31		
			011724	FD	2039	TINKER AFB			GL	R	73 JAN 15		
			020642	FD	2039	TINKER AFB			FR	R	73 FEB 19		
TF33A1002	A 141536		010224	FD	2039	TINKER AFB	2039	TINKER AFB	CL	R	73 JAN 02		
			010482	FD	2039	TINKER AFB			PL	R	73 JAN 04		
			010833	FD	2039	TINKER AFB			JL	R	73 JAN 09		
			020286	FD	2039	TINKER AFB			FR	R	73 FEB 09		
TF33A1002	A 141583		011553	FD	2039	TINKER AFB			CL	R	73 JAN 17		
			011653	FD	2039	TINKER AFB			PL	R	73 JAN 18		
			012018	FD	2039	TINKER AFB			MR	R	73 JAN 24		
			012019	FD	2039	TINKER AFB			JK	R	73 JAN 25		
			020514	FD	2039	TINKER AFB			FR	R	73 FEB 07		
YTF33A1001	AE141001		120101	FD	9426	ALLISON-GMC	9426	ALLISON-GMC	RL	R	70 NOV 20		00000
YTF33A1001	AE141004	4037D	061068	FD	2039	TINKER AFB	9426	ALLISON-GMC	PL	R	72 JUN 13		00000
			101181	FD	2039	TINKER AFB			PL	A	72 JUN 13		
YTF33A1001	AE141005	4037D	100083	HE	2805	EDWARDS AFB	9426	ALLISON-GMC	MG	R	70 OCT 14	80 MODIF IACL TCC	00198
			030218	HE	2805	EDWARDS AFB			ML	R	71 FEB 26		
			030319	HE	2805	EDWARDS AFB			SL	R	71 MAR 03		

TITLE: Propulsion Unit Foreign Object Damage Report

PRODUCT NO: DO24BGU1M

FREQUENCY: Monthly

DATE DUE OUT: 9th work day

DISTRIBUTION: Commands and All EIM AMAs

PURPOSE: Provides data to evaluate the rate and extent of engine removals resulting from foreign object damage. Also lists major overhaul by type aircraft.

RCS: LOG-MMP(M)7224

PERIOD ENDED 73 APR 30

PROPULSION UNIT FOREIGN OBJECT DAMAGE REPORT
STATION NO. ENG/END ITEM COMB

STATION NAME	NO	ENGINE DESIGNATION	F/I DES	ENGINE SER/NO	CND	DATE REPORTED	REMOVAL REASON	TYP RPT	OPR TIME	TOT USG REM	TOT FOD	% FOD	TOTAL FM	FOD 1 ST	FOD 2 AD	PREV 3 RD	SIX 4 TH	MONS 5 TH	6 TH
ANDERSON AFB	4624	GTC8-70A	MA001A							7									
ANDERSON AFB	4624	GTC8-70A	TMC0552							1									
ANDERSON AFB	4624	GTC8-70A	TMC0959							1									
ANDERSON AFB	4624	GY-709A	C119A							1									
ANDERSON AFB	4624	J00-701-9W	B0520	F 616182	SAC	73 APR 03	MET/STN IN ENG	F/M	00012										
	4624	J00570-19W	B0520							6	1	16.66	1		1	2	1		1 1
ANDERSON AFB	4624	J00570-29WA	B052C							5								1	
ANDERSON AFB	4624	J00570-3WB	B052G	F 617784	SAC	73 APR 19	MET/STN IN ENG	O/H	02638										
ANDERSON AFB	4624	J00570-3WB	B052G	F 617938	SAC	73 APR 12	MET/STN IN ENG	F/M	01084										
ANDERSON AFB	4624	J00570-3WB	B052G	P 626684	SAC	73 APR 17	MET/STN IN ENG	O/H	01966										
ANDERSON AFB	4624	J00570-3WB	B052G	P 626927	SAC	73 APR 25	MET/STN IN ENG	O/H	03149										
ANDERSON AFB	4624	J00570-3WB	B052G	P 629956	SAC	73 APR 12	BIRD IN/EN ENG	F/M	00439										
ANDERSON AFB	4624	J00570-3WB	B052G	P 632634	SAC	73 APR 19	MET/STN IN ENG	F/M	01594										
ANDERSON AFB	4624	J00570-3WB	B052G							65	6	9.23	3	3	3	1	2	0	
ANDERSON AFB	4624	J00570-9W	K0135A							1									
	4624	R43600-98	C097K							1									
ANDERSEN AFB	4624	T00560078	MC120E																1

STATION TOTALS

STATION NAME	NO		TOTAL USAGE REMOVALS	TOTAL FOD	PERCENT FOD	TOTAL F/M	TOTAL O/H	1ST	FOD 2ND	PREVIOUS 3RD	SIX MONTHS 4TH	5TH	6TH
ANDERSEN AFB	4624		88	7	7.95	4	3	4	3	3	9	2	1
		JETS	77	7	9.09	4	3	4	3	3	9	1	1
		R&M JETS	0	0	.00	0	0						
		OTHERS	11	0	.00	0	0					1	

TITLE: Propulsion Unit Reporting System Overhaul and Base Maintenance Completions

PRODUCT NO: D024BJG2M

FREQUENCY: Monthly

DATE DUE OUT: 9th work day

DISTRIBUTION: AFLC (MMP)

PURPOSE: Data from this product are used by the engine item managers to determine the number of engines which completed an overhaul or a base maintenance cycle during the reporting period. The data are used to complete future workload factors.

RCS: Exempt

PROPULSION UNIT REPORTING SYSTEM
OVERHAUL AND BASE MAINTENANCE COMPLETIONS

PERIOD ENDING 28 FEB 73

PRODUCT NR DC24BJG2M
PAGE NR 1

ENGINE DESIGNATION	AS OF DATE YR	MO	QUANTITY	CORRECTION CODE	PROGRAM CODES
J0033035	73	02	84	A	ASPE
J0047025	73	02	5	A	ASPE
J0047025A	73	02	3	A	ASPE
J0052003	73	02	3	A	ASPE
J0057013A	73	02	6	A	ASPE
J0057019M	73	02	26	A	ASPE
J0057021A	73	02	51	A	ASPE
J0057023A	73	02	15	A	ASPE
J0057025MA	73	02	22	A	ASPE
J0057043MB	73	02	119	A	ASPE
J0057055	73	02	11	A	ASPE
J0057059M	73	02	111	A	ASPE
J0060003	73	02	9	A	ASPE
J0060003A	73	02	27	A	ASPE
J0060005A	73	02	1	A	ASPE
J0060005B	73	02	6	A	ASPE
J0060005F	73	02	8	A	ASPE
J0060025	73	02	2,3	A	ASPE
J0060025A	73	02	4	A	ASPE
J0069029	73	02	1	A	ASPE
J0071013	73	02	10	A	ASPE
J0075017	73	02	21	A	ASPE
J0075019	73	02	2	A	ASPE
J0075019M	73	02	18	A	ASPE

TITLE: SPARE ENGINE REPORT

PRODUCT NO: DO24CDC3W

FREQUENCY: Weekly

DATE DUE OUT: Friday

DISTRIBUTION: Commands and some SubCommands

PURPOSE: To provide status of spare engine assets for each base. The report also reflects engine reported to OCAMA as requiring overhaul. The report is a tool for the command headquarters to use to monitor the spare engine support position at each subordinate activity and the effectiveness of resupply action.

RCS: LOG-MMP(W)7204

4-5F-23

SAC

PERIOD 2 MAR 73 - 8 MAR 73

SPARE ENGINE REPORT

SEQUENCE - COMD, FAMILY GROUP, STATION, POSR COMD

0024COC3M PCS

PAGE 6

STATION NO.	NAME	MAJ CMD	LAST REPORT	SERVICEABLE AKM	SERVICEABLE IN-WORK	SERVICEABLE NORS	SERVICEABLE B-U	SERVICEABLE RAW	FIELD MAINTENANCE TOTAL AKM	FIELD MAINTENANCE TOTAL IN/WORK	FIELD MAINTENANCE TOTAL NORS	FIELD MAINTENANCE TOTAL CN-HND	DOMIC INST	OVER INST	NET SPARE	SERV D-I	NORM LEVL	STK VAR	REP D-I

FAMILY GROUP = GTCP5-14,19,27,70,71A END ITEM APPLICABLE = MA-1A,MA-2-3,MB-3,T56MST

TYPE ACTION	SERIAL NO	STATUS	CMD	A/O DATE	SEQ NO	OPR TIME	REAS REM	SHPR	DOCUMENT NO	DATE TO EIM
MAJOR OVERHAUL	37P3687	KL	SO	06 MAR 73	030038	00201	5V	3067		7 MAR 73
4950 CANNELL AFB SAC	8 MAR 73				1		1	2	1- 1	

TYPE ACTION	SERIAL NO	STATUS	CMD	A/O DATE	SEQ NO	OPR TIME	REAS REM	SHPR	DOCUMENT NO	DATE TO EIM
SERVICEABLE DUE IN	1[illegible]5P622	SR	S	02 MAR 73	031695			2059	FJ2059305701QZ	6 MAR 73
REPAIRABLE RECEIPT	95P1P7	RF	SOJ	02 MAR 73	030013	00201	6N	3020		3 MAR 73
4950 CANNELL AFB SAC	25 JAN 71	1			1		2		2	2

TYPE ACTION	SERIAL NO	STATUS	CMD	A/O DATE	SEQ NO	OPR TIME	REAS REM	SHPR	DOCUMENT NO	DATE TO EIM
SERVICEABLE RECEIPT	75P330	RR	SDB	08 MAR 73	030066					9 MAR 73
4179 SEYMOUR JOHNSON AFB SAC	11 JAN 73			1			1		1	1
TAC	23 DEC 71			1			1		1	1
4937 [illegible] AFB TAC	11 MAY 71	1					1		1	1
3[illegible]4 EIELSON AFB AAC	3 MAR 73			2			2		2	2
SAC	1 JAN 69									2 2-
5217 KATENA AB PAF	29 AUG 72									1 1-
SAC	5 JAN 71			2		2	4		4	6 2-

TYPE ACTION	SERIAL NO	STATUS	CMD	A/O DATE	SEQ NO	OPR TIME	REAS REM	SHPR	DOCUMENT NO	DATE TO EIM
SERVICEABLE RECEIPT	11[illegible]P5320	RB	SCC	07 MAR 73	030094					8 MAR 73
	96P1[illegible]13	RB	SCC	07 MAR 73	030093					8 MAR 73
5077 U-TAPAO THAI SAC	27 FEB 73	11	1				12	11	1 3	8 4-

TYPE ACTION	SERIAL NO	STATUS	CMD	A/O DATE	SEQ NO	OPR TIME	REAS REM	SHPR	DOCUMENT NO	DATE TO EIM
SERVICEABLE DUE IN	116P1393	SR	S	16 FEB 73	021981			2059	FJ2059304312OZ	20 FEB 73
	27P7464	SR	S	07 MAR 73	031006			2059	FJ2059306103QZ	8 MAR 73
	56P1311	SR	S	07 MAR 73	031010			2059	FJ2059306604QZ	8 MAR 73

TITLE: OCAMA Propulsion Unit Resupply Time Report - Part 1 - ZI

PRODUCT NO: DO24CHS1M

FREQUENCY: Monthly

DATE DUE OUT: 10th work day

DISTRIBUTION: AFLC/MMP and Other Designated Commands, EIM AMAs.

PURPOSE: Provides a method for measuring engine resupply time. Resupply time is the number of days between the date an engine is determined to require depot level (major) overhaul and the date a serviceable replacement is received.

RCS: LOG-MMP(M)7203

SAAMA-- PROPULSION UNIT RESUPPLY TIME REPORT --OVERSEAS

FAMILY GROUP GTC85-14,19,20 SEQUENCE- THEATER, EIN, FAMILY GROUP, BASE AND MAJOR COMMAND RCS DAS-M&P(M)1750 PART 2
PERIOD ENDED 73 FEB 28 DATA LIMITED TO ENGINES REPORTED IN ACCOUNTS A, C, N, AND R PRODUCT NUMBER 03240M51M

BASE NR	BASE NAME	MAJ AIR CMD	MAJ D/N SERIAL NUMBER	DATE OF REMOVAL REPORT	DATE RECVD OCAMA	DATE SENT TO EIN	SERVICE ENG SER NUMBER	DATE SERVC SHPMT	DATE RECVD BASE	DAYS RPT TO OCAMA	DAYS OCAMA TO EIN	DAYS EIN TO SHPMT	SHPMT TO RECPT	RMV TO SERVC RECPT
4624	ANDERSEN AFB	PAC	126P2129	15 JAN 73	17 JAN	18 JAN	125P797	03 FEB	09 FEB	2	1	16	6	25
		SAC	P1178	26 JAN 73	27 JAN	30 JAN	115P668	17 FEB	21 FEB	1	3	16	4	26
		SAC	P4317	15 JAN 73	17 JAN	18 JAN	37P2611	26 JAN	07 FEB	2	1	8	12	23
		SAC	P951	16 JAN 73	17 JAN	18 JAN	46P1246	26 JAN	07 FEB	1	1	8	12	22
		SAC	P1097	15 JAN 73	17 JAN	18 JAN	87P3372	26 JAN	01 FEB	2	1	8	6	17
4624	ANDERSEN AFB	AVERAGE RESUPPLY TIME			22.6	DAYS								
4684	GOOSE AB	SAC	109P4375	29 DEC 72	02 JAN	03 JAN	96P1602	01 FEB	09 FEB	4	1	29	8	42
4684	GOOSE AB	AVERAGE RESUPPLY TIME			42.0	DAYS								
5004	EIELSON AFB	AAC	P4311	24 JAN 73	24 JAN	25 JAN	90P5229	07 FEB	15 FEB	0	1	13	8	22
5004	EIELSON AFB	AVERAGE RESUPPLY TIME			22.0	DAYS								
5250	CLARK AB PI	PAF	P1248	05 JAN 73	06 JAN	09 JAN	26P1030	18 JAN	02 FEB	1	3	9	15	28
		PAF	119P4456	16 JAN 73	17 JAN	18 JAN	90P6931	04 FEB	07 FEB	1	1	17	3	22
		SAC	109P603	24 JAN 73	06 FEB	07 FEB	109P4375	15 FEB	20 FEB	13	1	8	5	27
5250	CLARK AB PI	AVERAGE RESUPPLY TIME			25.7	DAYS								
5518	MILCENHALL	AFE	P1579	19 JAN 73	22 JAN	23 JAN	46P1251	01 FEB	09 FEB	3	1	9	8	21
5518	MILCENHALL	AVERAGE RESUPPLY TIME			21.0	DAYS								

FAMILY GROUP GTC85-14,19,20 AVERAGE NUMBER OF DAYS BY MAJOR COMMAND

AAC	22.0	ACD	.0	ADC	.0	AFE	21.0	AFR	.0	ANG	.0	ATC	.0	AU	.0	DCD	.0	HDC	.0	LDC	.0
PAC	25.0	PAF	25.0	SAC	26.2	SOU	.0	SYS	.0	TAC	.0	USS	.0	OTHER COMMANDS			.0	ALL COMMANDS		25.3	

TITLE: Propulsion Unit Pipeline Time Analysis, Part I - By Family Command, & Sta.

PRODUCT NO: D024DAB1Q

FREQUENCY: Quarterly

DATE DUE OUT: 1st Work Day of Mar, Jun, Sep, Dec.

DISTRIBUTION: Commands and EIM AMAs.

PURPOSE: Provides an anlysis of desirable pipeline segment data for each family of engines, station and command.

RCS: LOG-MMP(Q)7237

AD-A052 240 ARINC RESEARCH CORP ANNAPOLIS MD F/G 15/5
LOGISTICS ASSESSMENT. VOLUME II. APPENDIXES.(U)
JUL 76
UNCLASSIFIED 1165-01-1-1490 F29601-75-C-0134 NL

6 OF 7
AD A052 240



PERIOD 1 JAN 73 - 31 MAR 73 — PROPULSION UNIT PIPELINE TIME ANALYSIS — PART I — LOG AFRCO37297 — DO24PAE1C

FAMILY GTC85-12,52,62,65,71,71A — COMMAND -AFR- — STATION -RCH-GEBR AFB 3100 - — PAGE 29

	AREU FLOW AT BASE — PAST QUARTER NUM-DAYS	2 NUM-DAYS	PREVIOUS QUARTERS 3 NUM-DAYS	4 NUM-DAYS	5 NUM-DAYS		BASE MAINTENANCE — PAST QUARTER NUM-DAYS	2 NUM-DAYS	PREVIOUS QUARTERS 3 NUM-DAYS	4 NUM-DAYS	5 NUM-DAYS
SERV INTRASET		3 3.6				RECEIPT/REMOVAL					
DEPOT/BASE		3 3.6			3 4.0	TO START WORK	1 1.0	1 1.0	1 1.0		2 1.5
BASE-BASE/QB-											
						BASE REPAIR	1 57.0				
RCPT/START WORK	1 65.0	1 43.0	1168.0		4 54.5	IN WORK	1 57.0				1 13.0
						AWAIT MAINT					
BUILD-UP	1 1.0	1 1.0	2 67.0			ENDRS					
IN WORK	1 1.0	1 1.0	2 67.0		2 4.5						
AWAIT/MAINT						BASE REPAIR /					
ENDRS						TEST CELL REJ					
						IN WORK					
BUILD-UP /						AWAIT MAINT					
TEST CELL REJ						ENDRS					
IN WORK											
AWAIT MAINT						TOT BASE REPAIR	1 57.0				
ENDRS											
						BASE REP-INCMP		1 2.0	1 9.0		
CMPLTD BUILD-UP	1 1.0	1 1.0	2 67.0			IN WORK		1 2.0	1 9.0		1 1.0
						AWAIT MAINT					
BUILD-UP /						ENDRS					
AFOD BASE MNTC											
IN WORK						TOT MAINTENANCE	1 57.0	1 2.0	1 9.0		
AWAIT MAINT											
ENDRS						AVG B/P TIME	58.0	3.0	10.0		
TOTAL BUILD-UP	1 1.0	1 1.0	2 67.0			SHIP PROC/REPS-		2 4.5	1 2.0		
						DASE-DEPOT		2 4.5	1 2.0		2 3.9
AVG BLD-UP TIME	66.0	44.0	235.0			BASE-BASE/QB-					
						RPBL INTRASIT		2 4.0	1 5.0		
						BASE-DEPOT		2 4.0	1 5.0		2 5.9
						BASE-BASE/QB-					

	PAST QUARTER NUM-DAYS	2 NUM-DAYS	PREVIOUS QUARTERS 3 NUM-DAYS	4 NUM-DAYS	5 NUM-DAYS
AWAITING DEPOT DISPOSITION					
AWAITING INSTALLATION	1 1.0	2 44.0	1 1.0		2 1.0

TITLE: Installed Aircraft Engine Report

PRODUCT NO: DO24FI021

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: AFLC (MMOMA), AFLC (MMP), AFRES (LGSW), ASD (SPM-1), SAAMA (MMPMA), SAAMA (MAEQ) and OCAMA (MMEMB)

PURPOSE: Contains data on installed aircraft engines as to number, total, and average operating hours, and average age of installed engines. Data are summarized by command and engine-aircraft combination. This report is the sole source of engine flying hours by reported engine-aircraft designation and command. Data are used by engine actuaries and for special studies.

RCS: LOG-MMX(Q)7110

4-5F-29

	DESIGNATION ENGINE		AIRCRAFT	CMD	INSTALLED ACTIVE END OF PERIOD NUMBER	AVERAGE AGE	FLYING HRS DURING PERIOD TOTAL	AVERAGE
				TAC	243	575	17149	71
					513	549	30493	59
	J0079	015	F004D	AFE	326	447	18646	57
				LOG	10	446	1111	111
				PAF	324	542	31888	98
				SYS	23	553	584	25
				TAC	143	570	11832	83
					826	508	64061	78
	J0079	015	RF004C	AFE	174	690	12794	74
				ANG	109	542	5393	49
				AYC	8	827	0	
				LOG	10	320	342	34
				PAF	74	529	7725	104
				SYS	14	442	778	56
				TAC	295	573	21032	71
					684	590	42054	70
*	J0079	015	NRF004C	SYS	2	332	58	29
					2	332	58	29
	J0079	015	YRF004C	SYS	2	94	0	
					2	94	0	
	J0079	015A	F004C	AFE	12	187	576	48
				LOG	1	152	13	13
				PAF	9	100	394	44
				TAC	13	148	777	60
					35	150	1760	50
	J0079	015A	F004D	AFE	41	199	2333	57
				LOG	0		46	
				PAF	40	277	4302	108
				SYS	2	72	17	9
				TAC	7	183	634	91
					90	250	7352	81
	J0079	015A	RF004C	AFE	11	158	795	72
				ANG	1	102	94	94
				LOG	2		124	62
				PAF	15	248	3827	122
				TAC	6	136	448	75
					25	182	3248	93
*	J0079	017	F004D	PAF	1	223	118	118
					1	223	118	118
	J0079	017	F004E	BAC	24	806	2008	108

TITLE: OFR Technical Data Record

PRODUCT NO: D024FI022

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: AFLC (MMOMA), OCAMA (MMPMS) and SAAMA (MMPMA)

PURPOSE: To show data from the master files including official failure rates (W/W and Command) and other data used to produce exposure and failure rate products. Specifies the number of quarters (O/A, F/M, and combination) to be consolidated in the failure rate products.

DESCRIPTION OF CONTENTS OF COLUMNS WHOSE HEADINGS ARE NOT SELF-EXPLANATORY:

"ELE" - Engine Life Expectancy
"AEL" - Actuarial Engine Life
"DI" - Dependability Index
"RR" - Return Rate

RCS: Exempt

ACFT TPS	COMBINATION ACFT TPS	COMMAND	MAX TIME	ELE PRESENT YR	ELE NEXT YR	AEL	SIZE OF INTERVAL	NR OF O/H	NR OF F/H	NR OF COMB	BASE PERIOD BPG	OF OFR END	OFR DI	OFR RR
J STP 59	C135		06000			03796	060	6	4	1	269	170	100	085

AGE	DI	RR	OH	FH	COMB	AGE	DI	RR	OH	FH	COMB	AGE	DI	RR	OH	FH	COMB
00	100	85	0134	0757	0891	1900	100	85	0180	1019	1199	3000	100	85	0123	0695	0818
00	100	85	0084	0476	0560	1540	100	85	0105	1046	1230	3060	100	85	0151	0856	1007
00	100	85	0065	0369	0434	1620	100	85	0167	0944	1110	3120	100	85	0178	1007	1185
00	100	85	0047	0268	0315	1680	100	85	0139	0786	0925	3180	100	85	0190	1074	1264
00	100	85	0038	0216	0254	1740	100	85	0119	0673	0792	3240	100	85	0181	1023	1204
00	100	85	0042	0238	0280	1800	100	85	0114	0649	0763	3300	100	85	0181	1023	1204
00	100	85	0057	0322	0379	1860	100	85	0123	0695	0818	3360	100	85	0149	0846	0995
00	100	85	0077	0434	0511	1920	100	85	0138	0783	0921	3420	100	85	0104	0592	0696
00	100	85	0093	0527	0620	1980	100	85	0148	0841	0989	3480	100	85	0067	0382	0449
00	100	85	0099	0561	0660	2040	100	85	0138	0779	0917	3540	100	85	0078	0440	0518
00	100	85	0093	0524	0617	2100	100	85	0105	0598	0703	3600	100	85	0089	0503	0592
00	100	85	0075	0423	0498	2160	100	85	0074	0417	0491	3660	100	85	0100	0568	0668
00	100	85	0056	0318	0374	2220	100	85	0049	0279	0328	3720	100	85	0111	0629	0740
00	100	85	0048	0275	0323	2280	100	85	0036	0206	0242	3780	100	85	0122	0692	0814
00	100	85	0056	0315	0370	2340	100	85	0032	0180	0212	3840	100	85	0133	0755	0888
00	100	85	0073	0413	0486	2400	100	85	0029	0163	0192	3900	100	85	0134	0761	0895
00	100	85	0090	0513	0603	2460	100	85	0036	0204	0240	3960	100	85	0135	0767	0902
00	100	85	0093	0530	0623	2520	100	85	0050	0286	0336	4020	100	85	0136	0773	0909
00	100	85	0085	0482	0567	2580	100	85	0071	0400	0470	4080	100	85	0137	0779	0916
00	100	85	0075	0427	0502	2640	100	85	0096	0542	0638	4140	100	85	0138	0785	0923
00	100	85	0068	0385	0453	2700	100	85	0116	0658	0774	4200	100	85	0140	0791	0930
00	100	85	0053	0957	0420	2760	100	85	0120	0680	0800	4260	100	85	0141	0796	0937
00	100	85	0076	0428	0504	2820	100	85	0111	0627	0738	4320	100	85	0142	0802	0944
00	100	85	0109	0615	0724	2880	100	85	0102	0575	0677	4380	100	85	0143	0808	0951
00	100	85	0149	0844	0993	2940	100	85	0104	0591	0695	4440	100	85	0144	0814	0958

TITLE: Aircraft Engine Exposure Product

PRODUCT NO: DO24FI023

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: AFLC, EIM AMAs and other designated DOD organizations

PURPOSE: Contains input to failure rate products, forecast products, quarterly engine status table, and special studies. Tabulates exposures and removals, compares official failure rates of failures experienced during the quarter; provides a summary of operating hours, removals, experience factors, and engine inventory distribution by age.

RCS: LOG-MMX(Q)7115

LTC 95 70A — AIRCRAFT ENGINE EXPOSURE PRODUCT D024PI023 — JAN 73-MAR 73 — PAGE 1

ENGINE AGE	INST RCT REGEN	INV END	SPARES AGE IN	OVERHAUL OFR	OVERHAUL EXPOSURE	OVERHAUL USE	OVERHAUL FAIL	OVERHAUL DIR REM	FIELD MAINTENANCE OFR	FIELD MAINTENANCE EXPOSURE	FIELD MAINTENANCE USE	FIELD MAINTENANCE FAIL	FIELD MAINTENANCE DIR REM	COMBINED OFR	COMBINED EXPOSURE	COMBINED USE	COMBINED FAIL
0	215	225	4	.0603	148.700	9			.0259	143.000	4			.0862	150.400	13	
20	175	165	2	.0515	145.250	10			.0264	138.900	2			.0879	146.650	12	
40	165	161	2	.0663	142.950	10			.0284	136.600	2			.0947	144.050	12	
60	152	126	3	.0677	127.000	4			.0290	124.450	3			.0967	128.200	7	
80	120	125	5	.0648	133.200	9			.0278	129.500	4			.0925	136.700	13	
100	114	109	4	.0579	131.100	11			.0269	125.650	4			.0848	133.450	15	
120	88	89	2	.0656	110.750	5			.0281	108.550	2			.0937	112.300	7	
140	72	95	5	.0703	95.850	6			.0303	93.350	4			.1011	99.550	10	
160	71	71	1	.0736	83.850	2			.0316	82.750	1			.1052	84.050	3	
180	80	60	10	.0725	99.700	6			.0311	101.500	10			.1035	105.200	16	
200	73	64	8	.0696	91.150	2			.0298	94.750	8			.0994	96.650	10	
220	53	62	5	.0648	89.600	3			.0295	91.900	5			.0943	93.400	8	
240	41	50	1	.0728	71.900	3			.0312	69.650	1			.1040	72.250	4	
260	27	44	3	.0792	63.200	4			.0340	62.000	3			.1132	66.650	7	
280	36	27	1	.0827	50.000	4			.0355	49.150	1			.1182	53.650	5	
300	29	34	6	.0823	50.550	3			.0353	52.700	6			.1176	55.050	9	
320	40	22	2	.0824	53.250	5			.0353	51.150	2			.1177	55.100	7	
340	21	27	2	.0848	47.450	4			.0363	45.250	2			.1211	48.900	6	
360	24	19	2	.0879	49.900	5			.0377	47.650	2			.1256	51.900	7	
380	23	29	4	.0874	43.350	1			.0375	44.050	4			.1249	44.700	5	
400	13	21	2	.0841	33.150	2			.0360	33.650	2			.1201	34.700	4	
420	13	12	2	.0795	27.300	4			.0341	26.250	2			.1136	29.150	6	
440	19	12	3	.0772	25.400	1			.0331	25.450	3			.1103	26.350	4	
460	11	11	3	.0778	24.750	3			.0334	24.800	3			.1112	25.750	6	
480	6	12	4	.0767	20.200				.0329	23.500	4			.1096	23.500	4	
500	11	10	1	.0659	18.000	2			.0299	14.800	1			.0958	15.750	3	
520	10	9		.0715	14.450	2			.0306	13.150				.1021	14.650	2	
540	5	9	1	.0837	10.700	1			.0359	11.150	1			.1196	11.150	2	
560	6	4		.1015	9.150	1			.0435	8.150				.1450	9.150	1	
580	8	4		.1096	12.100	2			.0470	11.450				.1565	12.100	2	
600	3	5	1	.1058	9.300	1			.0453	9.100	1			.1511	10.050	2	
620	3	5		.1020	8.250	1			.0437	7.900				.1457	9.250	1	
640	4	4	1	.0982	4.700				.0421	5.300	1			.1403	5.333	1	
660	4	5		.0944	4.300				.0405	4.300				.1349	4.300		
680	2	2		.0906	3.600				.0388	3.600				.1294	3.600		
700	2	1		.0911	4.150				.0391	4.150				.1302	4.150		
720	1	1		.0916	4.050	1			.0393	4.000				.1309	4.050	1	
740		2		.0921	1.500				.0395	1.500				.1316	1.500		
760	1	1		.0925	.800				.0397	.800				.1322	.800		
780		1		.0930	.600				.0399	.600				.1329	.600		
800	1			.0935	1.000	1			.0401	.650				.1336	1.000	1	
820				.0939	.000				.0403	.000				.1342	.000		
840	3			.0944	2.400	1			.0405	1.700				.1349	2.600	1	
860		1		.0949	1.150				.0407	1.150				.1355	1.150		
880	1			.0953	1.550				.0408	1.550				.1361	1.550		
900				.0957	2.000				.0410	2.000				.1367	2.000		
920		1		.0959	1.050				.0411	1.050				.1370	1.050		

TITLE: Aircraft Engine Removal and Loss Report

PRODUCT NO: DO24VZ031

FREQUENCY: Quarterly

DATE DUE OUT: Established by MICC

DISTRIBUTION: Commands, EIM AIRs

PURPOSE: To show data on all engines lost from the inventory or removed from an installed status during the quarter and provides individually the reasons for failure removal or loss. Provides a cross reference for both usage and non-usage removals tabulated in the exposure product on a W/W basis. Used in analysis of reliability, quality control studies, and special studies on reasons for removal.

RCS: LOG-MMX(Q)7111

DESIGNATION ENGINE	DESIGNATION AIRCRAFT	TRANS-CONCR	NMT-REQ NR	NMT-REQ TOT	REMOVAL REASON	CMD	BASE NAME	BASE NR	ENGINE SN	HRS SINCE O/H	HRS SINCE P/W	NO PREV O/H	NO PREV P/W	LAST O/H AGENCY	DATE REMOVED	
J0257	023A F102A	RL			8D	LOG	D-M MASDC	2373	F 616727	870	292	02	03	9211	73064	0
		RL			8D	LOG	D-M MASDC	2373	F 616701	1376	3	01	07	2039	73055	0
		RL			8D	LOG	D-M MASDC	2373	P 606995	1665	612	02	04	2039	73064	0
		RL	19	92	8D	LOG	D-M MASDC	2373	P 608049	1373	69	01	05	2039	73065	0
J0257	023A TF102A	JB			3M	ANG	ANG-FL-JAC	6391	P 617262	674	330	03	02	2039	73017	
		LB			6L	ANG	ANG-TX-HUS	6433	P 606416	1151	601	02	02	9086	73053	
		LB			6L	ANG	ANG-MI-MAC	6492	P 614611	820	146	02	01	2039	73075	0
		LB			6L	ANG	ANG-ID-BOI	6112	P 608277	1113	677	02	03	9211	73012	
		LB			8D	ANG	ANG-MI-MAC	6492	P 617271	478	97	02	02	2039	73031	
		LB			8D	ANG	ANG-TX-HUS	6433	P 626511	155		04	03	2039	73032	
		LB			8M	ANG	ANG-TX-HUS	6433	P 606439	281	217	03	02	2039	73014	
		LB			8J	ANG	ANG-NY-BAD	6325	P 606204	1349	240	03	05	2039	73028	
		LB			8L	LOG	D-M MASDC	2373	P 626462	1145	7	04	10	2039	73030	
		LB	13		8L	LOG	D-M MASDC	2373	P 617726	665	145	01	05	9211	73050	
		LF			5M	ANG	ANG-FL-JAC	6391	P 607780	188		02	00	2039	72330	
		LF	2		6L	ANG	ANG-PA-COR	6381	P 606216	330		03	00	2039	73014	
		RL			8A	ANG	ANG-HI-UAH	6530	P 614335	1403	287	02	08	9211	73062	0
		RL			8D	LOG	D-M MASDC	2373	P 626955	1272	231	02	06	2039	73030	0
		RL	3	15	8D	LOG	D-M MASDC	2373	P 606431	1370	256	01	07	2070	73038	0
J0257	023A JTF102A	MF	1	1	6L	ANG	ANG-CA-FRE	6944	P 617277	630	301	03	02	2039	73079	0
J0257	029MA B052D	MA				SAC	DYESS AFB	4661	F 615545	2265	502	01	02	2039	73053	
		MA				SAC	DYESS AFB	4661	P 615403	3243	443	02	02	9086	73053	
		MA				SAC	DYESS AFB	4661	P 601170	2911	404	02	02	2039	73053	
		MA				SAC	DYESS AFB	4661	P 614651	16.8		01	00	2039	73053	
		MA				SAC	DYESS AFB	4661	P 614165	1400	538	02	03	9086	73053	
		MA				SAC	DYESS AFB	4661	P 6 5878	4635	739	02	09	9086	73053	
		MA				SAC	DYESS AFB	4661	P 606282	1738		01	00	2039	73054	
		MA	8			SAC	DYESS AFB	4661	P 606884	4493	502	01	04	9086	73053	
		LB	1		8D	LOG	KELLY AFB	2359	P 6 5871	2710	996	01	02	9086	73023	
		KF			5A	SAC	ANDERSEN A	4624	P 605412	1177	569	02	01	2039	73022	
		KF			5A	SAC	U-TAPAO TH	5277	P 6.5467	2413	833	02	01	2039	73080	
		KF			5E	SAC	U-TAPAO TH	5277	F 600916	3.52	12	02	26	2039	73072	
		KF			5J	SAC	ANDERSEN A	4624	P 606287	1144		02	01	2039	73041	
		KF			5L	SAC	U-TAPAO TH	5277	F 6.1238	3586	1249	01	05	2039	73040	
		KF			5L	SAC	ANDERSEN A	4624	P 600736	2133	524	03	01	2039	73039	
		KF			5L	SAC		4624	F 600252	1572	400	01	05	2039	73073	
		KF			5L	SAC	ANDERSON A	4624	P 601161	3397	1039	02	02	2039	73080	0
		KF			5L	SAC	U-TAPAO TH	5277	P 604417	1077	409	01	02		73074	
		KF			5L	SAC	ANDERSEN A	4624	P 605104	1511		02	01	2039	73079	
		KF			5M	SAC	U-TAPAO TH	5277	P 615384	2002	590	02	02	2039	73037	
		KF			5M	SAC	U-TAPAO TH	5277	P 605164	1706	993	02	01	2039	73083	
		KF			5M	SAC	ANDERSEN A	4624	P 615719	6434	51	03	11	2039	73028	

TITLE: Aircraft Engine Exposure Product

PRODUCT NO: DO24FNO21

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: AFLC (MMOMA), OCAMA (MMPMB), SAAMA (MMPMA) and MAC (LGMWP)

PURPOSE: Reflects input to command failure rate products, forecast products, and special studies. Tabulates exposures and removals by command; compares official failure rates to rates of failures experienced by the command during the quarter; provides a summary of operating hours, removals, and experience factors by command; provides engine inventory distribution by age by command.

RCS: LOG-MMX(Q)7116

ENGINE AGE	INST BEGIN	ACT INV END	SPARES AGE IN	OVERHAUL OFR	OVERHAUL EXPOSURE	OVERHAUL LSE	OVERHAUL FAIL	OVERHAUL DIR MEA	FIELD MAINTENANCE OFR	FIELD MAINTENANCE EXPOSURE	FIELD MAINTENANCE LSE FAIL	FIELD MAINTENANCE DIR MEA	COMBINED OFR	COMBINED EXPOSURE	COMBINED USE FAIL
2809				.1088	.000			.0121	.0000				.1209	.000	
2883				.1088	.000			.0121	.0000				.1209	.000	
2957				.1088	.000			.0121	.0000				.1209	.000	
2931				.1088	.000			.0121	.0000				.1209	.000	
29..				.1088	.000			.0121	.0000				.1209	.000	
29				.1088	.000			.0121	.0000				.1209	.000	
2994				.1088	.000			.0121	.0000				.1209	.000	
2968				.1088	.000			.0121	.0000				.1209	.000	
2941				.1088	.000			.0121	.0000				.1209	.000	
MAX TIME		2	2		.000				.0000					.000	
END TIME		2	2		.000				.0000					.000	

	OVERHAUL	FIELD MAINT	COMBINED
HOURS FLOWN PER FAILURE			
FAILURES PER THOUSAND HOURS			
EXPECTED FAILURES	.000	.000	.000
RATIO USAGE FAILURES TO EXPECTED FAILURES	.000	.000	.000
CONFIDENCE FACTOR	.000	.000	.000
PROJECTED ENGINE LIFE EXPECTANCY			
INDICATED ACTUARIAL ENGINE LIFE			
ALLOWABLE VARIATION IN I A S L	.00		
AGE OF OFFICIAL O/H RATES	225		

GENERAL
MAXIMUM TIME 3.00
UTILIZATION RATE
TOTAL FLYING HOURS
JEEP RETURN RATE-CUR QTR .000
JEEP RETURN RATE-1ST QTR .000
JEEP RETURN RATE-2ND QTR .000
JEEP RETURN RATE-3D QTR .000
JEEP RETURN RATE-AVG .000
MAXIMUM TIME REMOVALS

TITLE: Aircraft Engine Combined Failure Rate Product

PRODUCT NO: D024FN022

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: AFLC (MMCMA), OCAMA (MMPMB), SAAMA (MMPMA) AND MAC (LGMWP)

PURPOSE: To provide actuarial data by command to analyze the effects of field maintenance on overhaul engine life, and to study actuarial engine life on total failures. Provides input to experience analysis products and command forecast products, and is a source of official command combined failure rates. It is used to compute failure rates on total failures for maintenance by command; to calculate current dependability index by command, and to statistically analyze, smooth, and project crude failure rates, and statistically test both official and smooth failure rates by command.

DESCRIPTION OF CONTENTS OF COLUMNS WHOSE HEADINGS ARE NOT SELF-EXPLANATORY:

"OFR" - Official Failure Rate

RCS: LOG-MMK(Q)7120

GTC 85 704 ADC D024F8022 AIRCRAFT ENGINE COMBINED FAILURE RATE PRODUCT JAN 72-MAR 72 PAGE 1

ENGINE AGE	OPR	STAT TEST	COMBINED EXPOSURES	FAILURES COMBINED	FAILURES EXPECTED	COMBINED RATES CRUDE	COMBINED RATES ADJUSTED	STAT TEST
0	.0862		.850		.07	.0000	.2265	
20	.0879		.300		.03	.0000	.2136	
40	.0987		.000		.00	.0000	.2452	
60	.0967		.150		.01	.0000	.2545	
80	.0925		.400		.04	.0000	.2435	
100	.0898		.450		.04	.0000	.2268	
120	.0937		.750		.07	.0000	.2466	
140	.1.11		.000		.00	.0000	.2661	
160	.1052		.400		.04	.0000	.2765	
180	.1038		.000		.00	.0000	.2727	
200	.0994		.000		.00	.0000	.2618	
220	.0983		.000		.00	.0000	.2587	
240	.1043		.000		.00	.0000	.2737	
260	.1102		.000		.00	.0000	.2575	
280	.1102		.000		.00	.0000	.2831	
300	.1176		.000		.00	.0000	.2959	
320	.1177		.250		.03	.0000	.2958	
340	.1211	X	1.000	1	.12	.9999	.3187	
360	.1256		.000		.00	.0000	.3316	
380	.1249		.000		.00	.0000	.3287	
400	.1201		.000		.00	.0000	.3161	
420	.1136		.000		.00	.0000	.2990	
440	.1103		.000		.00	.0000	.2903	
460	.1112		.000		.00	.0000	.2927	
480	.1096		.000		.00	.0000	.2885	
500	.0998		.000		.00	.0000	.2627	
520	.1 21		.000		.00	.0000	.2697	
540	.1196		.00		.00	.0000	.3148	
560	.1459		.000		.00	.0000	.3841	
580	.1565		.000		.00	.0000	.4119	
600	.1911		.00		.00	.0000	.5027	
620	.1856		.000		.00	.0000	.4887	
640	.1439		.000		.00	.0000	.3787	
660	.1389		.000		.00	.0000	.3655	
680	.1298		.000		.00	.0000	.3416	
700	.1332		.000		.00	.0000	.3507	
720	.1309		.000		.00	.0000	.3446	
740	.1316		.000		.00	.0000	.3464	
760	.1322		.000		.00	.0000	.3480	
780	.1229		.000		.00	.0000	.3236	
800	.1250		.000		.00	.0000	.3291	
820	.1342		.000		.00	.0000	.3532	
840	.1369		.000		.00	.0000	.3603	
860	.1355		.000		.00	.0000	.3566	

TITLE: Aircraft Engine Experience Analysis Product

PRODUCT NO: DO24FNO23

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: Commands and EIM AMAs

PURPOSE: To provide operating hours and failures by base, command, mission, overhaul agency, detailed engine aircraft combinations, and number of previous field repairs. Provides data to approximate engine life by subgroup and provides computation of hours flown per failure. Is used to statistically analyze usage experience data according to engine source, command, model, mission, and to determine which subgroups have abnormal experience. Also provides factors for computation of actuarial failure rates by subgroup.

DESCRIPTION OF CONTENTS OF COLUMNS WHOSE HEADINGS ARE NOT SELF-EXPLANATORY:

"INST ACT EOP" - Installed Active End of Period

RCS: LOG-MMX(Q)7112

SOURCE FAIL CAT	ACCV	INST ACT ECP	USAGE C-H	FAILURES F-H	PERF CORR	INSP	TOT FLY HOURS	JEFP RATE	FLYING C-H	HOURS F-H	PER CORR	FAILURE ADJ EXP	ADJ EXP FAILURES	RATIO TO ADJ EXP	USAGE	CONTROL FACTOR
UNKNOWN		14	1	0	1		348		248		348	193	1.00	.96		.50-
UNKNOWN	2159	14	1	2	3		239	.667	235	118	78	170	1.78	2.17		.65
UNKNOWN	5193	1	0	0	0		46					150	.28	.00		.28-
		92	8	6	14		764	.429	96	127	55	128	5.58	2.50		1.64
1		4	0	1	1		318	1.000		218	218	226	1.81	.71		.17-
1	2017	112	9	3	12		935	.250	104	312	78	142	8.48	1.42		1.06
1	2049	1	0	0	0		1					173	.01	.00		.00-
1	2159	151	10	7	17		3573	.412	257	510	210	186	16.26	.98		.26-
1	2165	1	0	0	0		93					190	.02	.00		.39-
1	4895	2	0	0	0		11					212	.05	.00		.11-
1	5193	88	7	4	11		1565	.304	224	392	183	151	10.41	1.06		.09
1	5211	1	0	0	0		0									
2		20	7	0	7		1492		213		213	216	8.88	1.03		.04
2	2159	53	4	4	8		1202	.500	301	301	150	152	7.48	1.08		.02
2	2439	0	1	0	1		5		5		5	31	.16	6.21		1.05
2	2459	1349	25	15	40		8675	.375	347	578	217	187	46.22	.86		.46-
2	2465	1	0	0	0		7					150	.05	.00		.11-
2	4895	1	0	0	0		8					235	.03	.00		.09-
2	5572	1	0	0	0		29					193	.11	.00		.17-
2	5193	85	12	2	14		1308	.143	109	654	93	141	9.28	1.50		.77
CVEP 2		35	2	2	4		1131	.500	566	566	283	214	5.29	.78		.28-
CVEP 3	2012	12	0	0	0		507					172	2.95	.00		.86-
CVEP 3	2029	2	0	0	0		85					229	.25	.00		.31-
CVEP 3	2049	1	0	0	0		14					217	.06	.00		.13-
CVEP 3	2159	567	41	37	78		16351	.474	399	442	210	193	84.53	.92		.36-
CVEP 3	4895	2	0	0	0		8					216	.04	.00		.10-
CVEP 3	5249	1	0	0	0		6					225	.03	.00		.60-
CVEP 4	5193	58	6	5	9		1137	.556	294	227	126	139	8.15	1.10		.14
CVEP 4	5237	3	0	0	0		8					246	.03	.00		.09-
	TOTAL	1742	132	88	220		34869	.400	392	493	181		R.FACTOR 1.0280			
NR STYLE	PAINT															
		1359	91	52	143		30017	.364	330	477	210	193	199.66	.62		.50-
1		244	23	20	43		9186	.465	225	459	121	163	31.72	1.30		1.00
4		81	32	13	29		3222	.528	269	248	129	146	22.30	1.13		.51
5		2	1	1	2		535	.500	535	535	270	148	3.69	.55		.48-
6		10	1	1	2		382	.500	382	382	191	120	2.59	.67		.25-
9		14	1	0	1		237		237		237	149	1.55	.93		.23-
A		7	2	1	3		276	.333	92	183	61	113	1.64	1.65		.54
7		5	1	0	1		84		84		84	116	.72	1.38		.16
8		1	0	0	0		1					160	.01	.00		.64-
CVEP 4		1	0	0	0		14					119	.12	.00		.17-
	TOTAL	1742	132	88	220		34869	.400	392	493	181		R.FACTOR 1.0280			

TITLE: Aircraft Engine Overhaul Failure Rate Product

PRODUCT NO: DO24FRO11

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: AFLC, AFRES, EIM AMAs

PURPOSE: To show actuarial failure rates for major overhaul from exposure information grouped for several quarters and is the source of new official overhaul failure rates. It is vital because it provides input to forecast products and special studies, statistically analyzes, smooths and projects the crude failure rates; computes actuarial engine life, actuarial life remaining figures, actuarial removal intervals, and statistically tests both official and smooth failure rates in a world wide basis.

DESCRIPTION OF CONTENTS OF COLUMNS WHOSE HEADINGS ARE NOT SELF-EXPLANATORY:

"AEL" - Actuarial Engine Life
"ALR" - Actuarial Life Remaining
"CHRI" - Overhaul Removal Interval

4-5F-43

RCS: LOG-MDX(Q)7121

TTC 95 70A DC04FR011 AIRCRAFT ENGINE OVERHAUL FAILURE RATE PRODUCT APR 72-MAR 73 PAGE 1

NOIN AGE	OFR	STAT TEST	EXPOSURES	O/H FAIL USAGE	EXPECT FAIL	O/H FAILURE RATES CRUDE	O/H FAILURE RATES SMOOTH	STAT TEST	PERCENTAGE SURVIVE	PERCENTAGE FAIL	A.E.L.	A.L.R.	OHRI
0	.0603		569,400	34	34.33	.0632	.0632		100.00	6.32	18.0	295.6	316
20	.0615		526,100	31	32.36	.0559	.0561		93.68	5.26	28.7	294.9	335
40	.0643		514,650	29	34.12	.0563	.0556		88.42	4.92	46.4	291.8	342
60	.0677		500,700	24	33.87	.0480	.0487		83.50	4.00	61.1	289.4	342
80	.0748		487,550	33	31.59	.0677	.0636		78.60	5.00	78.8	285.9	337
100	.0429		462,350	35	29.06	.0757	.0690		73.60	5.08	93.6	284.5	329
120	.0646		422,450	29	27.71	.0686	.0709		68.52	4.86	107.3	284.9	329
140	.0703		382,800	24	27.10	.0627	.0675		63.66	4.30	120.0	285.9	320
160	.0746		355,400	26	26.16	.0732	.0616		59.36	3.66	131.9	285.8	320
180	.0725		337,850	15	24.49	.0444	.0552		55.70	3.07	143.0	286.0	329
200	.0696		311,600	17	21.83	.0542	.0509		52.63	2.68	153.5	290.0	327
220	.0688		282,800	15	19.46	.0530	.0508		49.95	2.54	163.5	294.4	330
240	.0729		244,650	10	17.81	.0409	.0538		47.41	2.55	173.8	298.6	332
260	.0702		239,650	18	16.98	.0751	.0593		44.86	2.66	182.0	263.3	332
280	.0627		219,600	13	18.16	.0592	.0626		42.20	2.64	190.4	259.3	332
300	.0623		201,400	12	16.58	.0596	.0679		39.56	2.69	198.3	255.9	330
320	.0624		183,000	15	15.08	.0820	.0720		36.87	2.65	205.7	253.9	328
340	.0845		152,300	9	12.92	.0591	.0726		34.22	2.48	212.5	257.7	326
360	.0979		147,900	15	12.99	.1015	.0720		31.74	2.29	218.9	251.7	324
380	.0874		131,650	6	11.51	.0456	.0729		29.45	2.15	224.8	250.5	323
400	.0741		110,250	8	9.27	.0726	.0793		27.30	2.16	230.2	249.4	321
420	.0795		101,750	10	8.17	.0973	.0856		25.14	2.15	235.3	250.0	318
440	.0772		93,700	9	7.23	.0961	.0792		22.99	1.82	239.9	257.5	317
460	.0778		83,100	6	6.47	.0722	.0708		21.17	1.50	244.1	253.3	316
480	.0767		77,900	5	5.93	.0388	.0654		19.67	1.29	248.0	251.9	316
500	.0499		69,000	3	4.75	.0441	.0591		18.38	1.27	251.7	248.8	316
520	.0715	X	61,600	9	4.40	.1461	.0747	X	17.11	1.28	255.1	246.6	315
540	.0307		65,250	2	2.79	.0442	.0900		15.83	1.27	258.3	245.7	314
560	.1015		49,350	3	4.40	.0592	.0788		14.56	1.15	261.2	246.2	313
580	.1096		41,150	3	4.51	.0729	P .0788		13.41	1.06	263.9	246.5	312
600	.1058		35,150	4	3.72	.1138	P .0798		12.35	.97	266.4	246.8	312
620	.1070		27,950	1	2.85	.0358	P .0787		11.38	.90	268.6	247.0	311
640	.0632		21,950	2	2.16	.0911	P .0787		10.48	.82	270.7	247.3	311
660	.0944		18,400		1.74	.0000	P .0787		9.66	.76	272.7	247.5	310
680	.0906		17,450	3	1.53	.1719	P .0749		8.90	.67	274.5	247.8	310
700	.0911		12,750		1.38	.0000	P .0754		8.23	.62	276.1	247.1	310
720	.0916		12,600	1	1.15	.0794	P .0759		7.61	.58	277.6	246.4	309
740	.0921		11,050	1	1.02	.0905	P .0764		7.03	.54	279.0	245.9	309
760	.0925		10,250	1	.95	.0978	P .0768		6.49	.50	280.3	245.6	309
780	.0930		9,750		.91	.0000	P .0773		5.99	.46	281.5	245.2	309
800	.0935		11,850	1	1.11	.0844	P .0778		5.53	.43	282.6	244.8	308
820	.0939		10,500	1	.99	.0952	P .0782		5.10	.40	283.6	244.6	308
840	.0944		10,000	2	.94	.2000	P .0787		4.70	.37	284.6	244.6	308
860	.0949		7,450		.71	.0000	P .0792		4.33	.34	285.5	244.6	308

TITLE: Aircraft Engine Field Maintenance Failure Rate Product

PRODUCT NO: DO24FRO21

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: AFLC (MMOMA), SAAMA (MMPMA)

PURPOSE: To provide input to forecast products, quarterly status table, and for special studies. Statistically analyzes, smooths, and projects the crude failure rates; computes field maintenance removal intervals and combined removal intervals; statistically tests both official and smooth failure rates.

DESCRIPTION OF CONTENTS OF COLUMNS WHOSE HEADINGS ARE NOT SELF-EXPLANATORY:

"FMRI" - Field Maintenance Removal Interval
"CMRI" - Combined Removal Interval

RCS: LOG-MMX(Q)7117

T 564 15 C13C 0024 P021 AIRCRAFT ENGINE FIELD MAINTENANCE FAILURE RATE PRODUCT JUL 72-MAR 73 PAGE 329

ENGINE AGE	CFR	STAT TEST	EXPOSURES	FAILURES F/H	FAILURES EXPLCTED	FAILURE RATES CRUDE	FAILURE RATES SMOOTH	STAT TEST	PERCENTAGE SURVIVE O/H	PERCENTAGE FAIL F/H	FMRI	CMRI
[illegible]	.0360	X	55.451	6	2.60	.1082	.1082		100.00	10.82	739	547
[illegible]	.0262	X	51.939	4	1.36	.0770	.0998		96.[illegible]	5.75	947	756
[illegible]	.0290		62.639	4	1.82	.0639	.0918		95.80	4.96	1085	891
240	.0317		58.001	1	1.84	.0172	.0456		95.36	4.35	1198	1000
300	.0350		54.001	1	1.89	.0185	.0422		94.87	4.00	1291	1085
420	.0360		52.901	3	1.90	.0567	.0425		94.34	4.01	1361	1150
480	.0365		44.450	1	1.62	.0225	.0473		93.79	4.41	1400	1190
540	.0365		46.676	3	1.72	.0643	.0541		93.25	5.04	1419	1207
600	.0394		44.576	4	1.76	.0897	.0913		92.76	5.68	1393	1206
720	.0456		39.451	3	1.80	.0760	.0866		92.11	6.13	1376	1191
900	.0542		40.738	5	2.21	.0245	.0684		91.43	6.25	1355	1176
840	.0629		43.691	4	2.75	.0916	.0966		90.68	6.04	1341	1163
960	.0682		43.376	4	2.96	.0922	.0622		89.71	5.58	1337	1156
1080	.0695		45.638	2	3.17	.0438	.0960		88.73	4.97	1342	1160
1140	.0683		46.251	1	3.07	.0216	.0499		87.74	4.38	1357	1176
1200	.0589		42.914	2	2.53	.0466	.0469		86.81	3.90	1375	1196
1260	.0495		47.663	3	2.31	.0629	.0429		85.99	3.69	1396	1209
1320	.0356		58.300	2	2.08	.0343	.0439		85.32	3.75	1413	1216
1440	.0244		64.488	2	1.97	.0311	.0456		84.43	3.87	1426	1231
1500	.0213		60.200	3	1.23	.0499	.0454		84.50	3.68	1438	1244
1620	.0259		64.226	2	1.66	.0311	.0466		84.22	3.87	1450	1257
1680	.0430	X	66.329	7	2.85	.1055	.0495	X	83.87	3.82	1460	1267
1740	.0585		50.663	2	2.98	.0395	.0472		83.33	3.93	1468	1277
1860	.0757		44.376	3	3.36	.0676	.0562		82.55	4.47	1469	1278
1920	.0850		32.413		2.98	.0000	.0665		81.94	5.42	1457	1256
1980	.0862		32.550		3.13	.0000	.0767		80.37	6.34	1435	1236
2040	.0915		35.576	5	3.51	.1405	.0585		79.13	7.00	1408	1211
2160	.0960		29.894	0	2.93	.0000	.0744		77.84	7.36	1379	1186
2280	.0943		20.326	1	1.92	.0492	.0788		76.66	7.57	1350	1162
2340	.0893		21.913	4	1.96	.1825	.1039		75.50	7.62	1324	1140
2400	.0867		16.450	1	1.43	.0609	.0909		74.42	7.41	1301	1121
2460	.0853		14.488		1.29	.0000	.0855		73.39	7.01	1282	1105
2520	.0957		13.876		1.33	.0000	.0798		72.34	6.50	1263	1093
2640	.1049		12.414	3	1.30	.2417	.0850		71.23	6.05	1257	1083
2700	.1115		8.200	1	.91	.1223	.0813		70.04	5.69	1249	1076
2760	.1154		10.888	1	1.26	.0918	.0778		68.79	5.35	1243	1067
2820	.1162		13.651		1.59	.0000	.0711		67.52	4.80	1240	1062
2880	.1141		12.726		1.45	.0000	.0625		66.26	4.14	1241	1061
3060	.1110		17.501	2	1.94	.1143	.0544		65.05	3.54	1245	1062
3120	.1094		19.076	1	1.96	.0553	P .0536		63.89	3.42	1249	1065
3240	.1078		15.575	1	1.68	.0642	P .0528		62.78	3.31	1253	1064
3300	.1056		18.476		1.74	.0000	P .0520		61.69	3.21	1257	1066
3360	.1063		21.150	2	2.25	.0946	P .0512		60.65	3.11	1262	1068
3480	.1070		19.213		2.06	.0000	P .0504		59.61	3.00	1266	1069

TITLE: Aircraft Engine Combined Failure Rate Product

PRODUCT NO: DO24FRO31

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: AFLC (MMOMA), OCAMA (MMFMB) and SAAMA (MMPMA)

PURPOSE: To provide actuarial data to analyze the effects of field maintenance on overhaul engine life, and to study actuarial engine life on total failures. It provides input to experience analysis products, forecast products, and is the source of official combined failure rates. Is used to compute failure rates in total failures for maintenance, calculates current dependability index, statistically analyze, smooth, and project the crude failure rates and smooth failure rates.

RCS: LOG-MMX(Q)7119

4-5F-47

ENGINE HOURS	CFR	STAT TEST	OVERHAUL EXPOSURES	FAILURES OVERHAUL	FAILURES EXPECTED	COMBINED RATES CRUDE	COMBINED RATES ADJUSTED	STAT TEST
8[illegible]	.0370		4.800		.18	.0[illegible]	.0188	
9[illegible]	.0398		.700		.03	.0[illegible]	.0195	
9[illegible]	.0416		.500		.02	.0[illegible]	.0197	
9[illegible]	.0396		1.000		.04	.0[illegible]	.0195	
9[illegible]	.0379		1.000		.04	.0[illegible]	.0191	
9[illegible]	.0367		1.900		.07	.0[illegible]	.0188	
1[illegible]	.0381		2.100		.08	.0[illegible]	.0191	
1[illegible]	.0422		1.400		.06	.0[illegible]	.0201	
1[illegible]	.0424		1.000		.05	.0[illegible]	.0216	
2[illegible]	.0432		1.700		.08	.0[illegible]	.0218	
13[illegible]	.0409		3.350		.17	.0[illegible]	.0219	
11[illegible]	.0516		4.000		.25	.0[illegible]	.0221	
11[illegible]	.0513		4.500		.22	.0[illegible]	.0223	
11[illegible]	.0523		3.950		.21	.0[illegible]	.0224	
11[illegible]	.0527		2.900		.15	.0[illegible]	.0226	
11[illegible]	.0534		3.750		.20	.0[illegible]	.0228	
12[illegible]	.0541		3.150		.17	.0[illegible]	.0229	
12[illegible]	.0548		3.150		.17	.0[illegible]	.0231	
12[illegible]	.0555		4.350		.24	.0[illegible]	.0233	
12[illegible]	.0562		4.000		.22	.0[illegible]	.0234	
12[illegible]	.0569		1.950		.11	.0[illegible]	.0236	
13[illegible]	.0575		.[illegible]		.[illegible]	.0[illegible]	.0238	
13[illegible]	.0583		.750		.04	.0[illegible]	.0239	
13[illegible]	.0590		1.300		.06	.0[illegible]	.0241	
13[illegible]	.0597		1.[illegible]		.05	.0[illegible]	.0243	
13[illegible]	.0604		.750		.03	.0[illegible]	.0244	
TOTALS MAX TIME-%			219.150	1	4.21			
END TIME			237.550	1				

RATIO USAGE FAILURES TO EXPECTED FAILURES
1ST INTERVAL THRU MAX TIME-% .238
2ND INTERVAL THRU MAX TIME-% .239
CONTROL FACTOR 2.14[illegible]
FAILURE DENSITY
PEAK AT TIME 12[illegible]

PROJECTION ONLY
RATIO USAGE TO EXPECTED FAILURES
PROJECTION CONTROL FACTOR

TOTAL FLYING HOURS 4731
HOURS FLOWN PER FAILURE 4731
AVERAGE AGE AT FAILURE 96.[illegible]
ADJUSTED AVERAGE SMOOTHING FORMULA #CJ CFR

TITLE: Aircraft Engine Overhaul Failure Rate Product

PRODUCT NO: DO24FR041

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: AFLC (MMOMA), OCAMA (MTPMB), SAAMA (MTPMA), MAC (LGMMP) and ADC (LGMMP)

PURPOSE: To provide actuarial failure rates by command for major overhaul, from exposure information collected for several quarters, and is the source of official command overhaul failure rates. Provides input to command forecast products, aircraft engine experience analysis products and special studies. Used to statistically analyze, smooth, and project the crude failure rates by command, compute actuarial engine life, actuarial life remaining, actuarial removal intervals by command, and to statistically test both official and smooth failure rates by command.

DESCRIPTION OF CONTENTS OF COLUMNS WHOSE HEADINGS ARE NOT SELF-EXPLANATORY:

"AEL" - Actuarial Engine Life
"ALR" - Actuarial Life Remaining
"OHRI" - Overhaul Removal Interval

RCS: LOG-MMX(Q)7122

CYCLES 7CL _____ AFE _ D024/FP043 AIRCRAFT ENGINE OVERHAUL FAILURE RATE PRODUCT ___ APR 72-MAR 73 PAGE 4

HOURS	DEP	STAT TEST	EXPOSURES	P/H FAIL USAGE	EXPECT FAIL	P/H FAILURE RATES CRUDE	ADJUSTED	STAT TEST	PERCENTAGE SURVIVE	FAIL	A.E.L.	A.L.R.	OHRI
340	.0 59		.000		.00	.0000	.0534		.07	.00	398.4	350.0	409
660	.0 59		.000		.00	.0000	.0534		.07	.00	398.4	330.0	409
980	.0 59		.000		.00	.0000	.0534		.07	.00	398.5	310.0	409
300	.0 59		.000		.00	.0000	.0534		.07	.00	398.5	290.0	409
620	.0 59		.000		.00	.0000	.0534		.07	.00	398.5	270.0	409
940	.0 59		.000		.00	.0000	.0534		.07	.00	398.5	250.0	409
260	.0 59		.000		.00	.0000	.0534		.07	.00	398.5	230.0	409
580	.0 59		.000		.00	.0000	.0534		.07	.00	398.5	210.0	409
900	.0 59		.000		.00	.0000	.0534		.07	.00	398.5	190.0	409
220	.0 59		.000		.00	.0000	.0534		.07	.00	398.5	170.0	409
540	.0 59		.000		.00	.0000	.0534		.07	.00	398.6	150.0	409
860	.0 59		.000		.00	.0000	.0534		.07	.00	398.6	130.0	409
180	.0 59		.000		.00	.0000	.0534		.07	.00	398.6	110.0	409
500	.0 59		.000		.00	.0000	.0534		.07	.00	398.6	90.0	409
820	.0 59		.000		.00	.0000	.0534		.07	.00	398.6	70.0	409
140	.0 59		.000		.00	.0000	.0534		.07	.00	398.6	50.0	409
460	.0 59		.000		.00	.0000	.0534		.07	.00	398.6	30.0	409
780	.0 59		.000		.00	.0000	.0534		.07	.00	398.7	10.0	409
800 MAX TIME-R			162.850	A	8.60								
SUB TOT.			162.850	S									

APP. USAGE FAILURES TO EXPECTED FAILURES
ST E INTERVAL THRU MAX TIME-M .699
E INTERVAL THRU MAX TIME-M .739
CONTROL FACTOR .591-
SERV
MAXIMUM TIM 7000
PROJECTED LIFE EXPECTANCY

TOTAL FLYING HOURS 2754
HOURS FLOWN PER FAILURE 442
AVERAGE AGE AT FAILURE 246.667
MAXIMUM TIME REMOVALS
ADJUSTED AVERAGE SMOOTHING FORMULA ADJ OPR

OPERATION ONLY
APP. USAGE TO EXPECTED FAILURES
OPERATION CONTROL FACTOR

TITLE: Aircraft Engine Field Maintenance Failure Rate Product

PRODUCT NO: DO24FRO51

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: AFLC (MMOMA), ADC (DMSTR), MAC (MMMTMP), OCAMA (MTPMB) and SAMA (MMPMA)

PURPOSE: To provide input to forecast products, quarterly status table, and for special studies. Is used to statistically analyze, smooth, and project the crude failure rates by command, compute field maintenance removal intervals and combined removal intervals and statistically test both official and smooth failure rates by command.

DESCRIPTION OF CONTENTS OF COLUMNS WHOSE HEADINGS ARE NOT SELF-EXPLANATORY:

"FMRI" - Field Maintenance Removal Interval
"CMRI" _ Combined Removal Interval

RCS: LOG-MIX(Q)7118

GTC 85 T1A C130 MTC D024M051 AIRCRAFT ENGINE FIELD MAINTENANCE FAILURE RATE PRODUCT APR 72-MAR 75 PAGE 8

ENGINE AGE	OFR	STAT TEST	EXPOSURES	FAILURES F/H	EXPECTED	FAILURE RATES CRUDE	ADJUSTED	STAT TEST	PERCENTAGE SURVIVE O/H	FAIL F/H	FMAI	CMAI
2640	.1645		.000		.00	.0000	.1545		.04	.01	462	269
2663	.1656		.000		.00	.0000	.1555		.04	.01	462	269
2685	.1667		.000		.00	.0000	.1565		.04	.01	462	269
2708	.1678		.000		.00	.0000	.1576		.04	.01	462	269
2730	.1689		.000		.00	.0000	.1586		.04	.01	462	269
2753	.1700		.000		.00	.0000	.1596		.04	.01	462	269
2775	.1711		.000		.00	.0000	.1607		.04	.01	462	269
2798	.1722		.000		.00	.0000	.1617		.04	.01	462	269
2820	.1733		.000		.00	.0000	.1627		.04	.01	462	269
2843	.1744		.000		.00	.0000	.1638		.04	.01	462	269
2865	.1755		.000		.00	.0000	.1648		.04	.01	462	269
2888	.1766		.000		.00	.0000	.1658		.04	.01	461	268
2910	.1777		.000		.00	.0000	.1669		.04	.01	461	268
2933	.1788		.000		.00	.0000	.1679		.04	.01	461	268
2955	.1799		.000		.00	.0000	.1689		.04	.01	461	268
2978	.1810		.000		.00	.0000	.1700		.03	.01	461	268
3000	.1821		.000		.00	.0000	.1710		.03	.01	461	268
2980	.1832		.000		.00	.0000	.1720		.03	.01	461	268
TOTALS MAX TIME-M			873.950	33	33.75							
END TIME			873.950	33								

RATIO USAGE FAILURES TO EXPECTED FAILURES .978
1ST INTERVAL THRU MAX TIME-M .939
2ND INTERVAL THRU MAX TIME-M .865
CONTROL FACTOR .965
FAILURE DENSITY
MAXIMUM TIME 3000

PROJECTION ONLY
RATIO USAGE TO EXPECTED FAILURES
PROJECTION CONTROL FACTOR

TOTAL FLYING HOURS 17113
HOURS FLOWN PER FAILURE 519
AVERAGE AGE AT FAILURE 334.576
ADJUSTED AVERAGE SMOOTHING FORMULA ADJ OFR

TITLE: Aircraft Engine Experience Analysis Product

PRODUCT NO: DO24FY011

FREQUENCY: Quarterly

DATE DUE OUT: Established by AFLC

DISTRIBUTION: Commands and EIM AMAs

PURPOSE: To provide engine operating hours by base, also hours flown per failure by base. Shows factors for computation of actuarial failure rates by subgroup, and data to approximate engine life by subgroup. Used to statistically analyze usage experience data according to base of operation and to determine which subgroups have abnormal experience.

DESCRIPTION OF CONTENTS OF COLUMNS WHOSE HEADINGS ARE NOT SELF-EXPLANATORY:

"EOP" - End of Period
"JEFM" - Jet Engine Field Maintenance

RCS: LOG-MMX(Q)7114

		INST ACT EOP	USAGE O-H	FAILURES F-H	CORR INSP	TOT FLY HOURS	JEFR RATE	FLYING HOURS O-H	F-H	PER CORR	FAILURE ADJ EXP	ADJ EXP FAILURES	RATIO USAGE TO ADJ EXP	CONTROL FACTOR
SOURCE														
PREV O/H ACCY														
UNKNOWN		1	0			0								
0		2	0			133					149	.79	.00	.44-
1	9316	1	1			11		11			51	.21	4.87	.85
	TOTAL	4	1			144		144				K.FACTOR	1.1500	
NA FIELD PAINT														
UNKNOWN		1	0			0								
0		3	1			144		144			144	1.00	1.00	.00
	TOTAL	4	1			144		144				K.FACTOR	1.1500	
COMMAND														
AMC		3	1			144		144			144	1.00	1.00	.00
SYS		1	0			0								
OTHER		0	0			0								
	TOTAL	4	1			144		144				K.FACTOR	1.1500	
MODEL														
R2800	079	4	1			144		144			144	1.00	1.00	.00
	TOTAL	4	1			144		144				K.FACTOR	1.1500	
MISSION														
OO		1	0			0								
TS		0	0			0								
VS		3	1			144		144			144	1.00	1.00	.00
	TOTAL	4	1			144		144				K.FACTOR	1.1500	

BASE REPAIR ANALYSIS

ACE	NO. BASE REPAIRS 0	1	2	3	4	5	6	7	8	9 AND OVER
50- 100										
100- 150										
150- 200		1								
200- 250		1								
250- 300										
300- 350										
350- 400										
400- 450										

TITLE: Forecasted Aircraft Engine Removals By Quarter, W/W.

PRODUCT NO: D024WP031.

FREQUENCY: Quarterly.

DATE DUE OUT: Established by AFLC.

DISTRIBUTION: AFLC (MMOMA), OCAMA (MMPMB), SAAMA (MMPMA).

PURPOSE: Forecasts engine removals for major overhaul, field maintenance and both combined, including forecast of maximum time removals with peacetime program. Used to:
(1) Determine overhaul schedule requirements.
(2) Schedule deliveries of new engines.
(3) Determine spare parts and workload.
(4) Determine field maintenance requirements.
(5) Assist in planning for facilities equipment personnel.
(6) Compute spare engine requirements.

Description of contents of columns whose headings are not self-explanatory:

"DC" - Official Dependability Index.
"RC" - Official Return Rate.
"O/H WMT" - Overhaul With Maximum Time.
"COMB LMT" - Combined Less Maximum Time.
"CMRI WMT" - Combined Removal Interval With Maximum Time.

RCS: LOG-MMX(Q)7105.

T DEGE S M 3 FORECASTED AIRCRAFT ENGINE REMOVALS BY QUARTER D024KP037 PAGE BE

RA72-2 COMBINED RATES CFR DATE 167-268 CO 1.00 RC .90 SPARES ADJ 1.00 DEL STATUS IN PROC ENG INV DIST

DTE	PROGRESS FLY HRS	REMOVALS C/H LMT	REMOVALS MAX TIME	REMOVALS O/H LMT	REMOVALS F/M	COMB LMT	COMB WMT	CHRI LMT	CHRI WMT	FMRI	CMRI LMT	CMRI WMT
1 63	50000	.696	.000	.696	.723	1.419	1.419	71839	71839	69156	35236	35236
2 63	4050	5.440	.393	5.833	5.248	10.688	11.081	744	694	772	379	365
3 63	10000000	12.762	.000	12.762	23.436	36.198	36.198	783576	783576	426694	276258	276258
4 63	50000000	44.179	.000	44.179	75.093	119.272	119.272	1131759	1131759	665841	419210	419210
1 64	40500	10.911	.072	10.983	5.336	16.247	16.319	3712	3688	7590	2493	2482
TOTAL		73.968	.465	74.453	109.836	183.824	184.289					

4-5F-56

ABOVE DATA ARE SIMULATED. WHEN ACTUAL DATA ARE USED, THE REPORT IS CLASSIFIED "SECRET".

TITLE: Forecasted Aircraft Engine Removals By Quarter, By Command.

PRODUCT NO: D024KP041.

FREQUENCY: Quarterly.

DATE DUE OUT: Established By AFLC.

DISTRIBUTION: AFLC (MYCMA), OCAMA (MMPMB), SAAMA (MMPMA).

PURPOSE: Forecasts engine removals by command for major overhaul, field maintenance and combined removals, including forecast maximum time removals with peacetime program. Used to:
(1) Determine overhaul schedule requirements by command.
(2) Schedule deliveries of new engines by command.
(3) Determine field maintenance requirements by command.
(4) Determine spare parts and workload by command.
(5) Assist in planning for facilities equipment personnel by command.
(6) Compute spare engine requirements by command.

4-5F-57

Description of contents of columns whose headings are not self-explanatory:

"DO" - Official Dependability Index.
"RO" - Official Return Rate.
"O/H MMT" - Overhaul With Maximum Time.
"COMB LMT" - Combined Less Maximum Time.
"COMB MMT" - Combined Removal Interval With Maximum Time.

RCS: LOG-MMX(Q)7106.

PAF J 57P 23 F102 FORECASTED AIRCRAFT ENGINE REMOVALS BY QUARTER 2024KPOA1 PAGE 1-5

PA72-4 COMBINED RATES OFR DATE 367-169 DO 1.00 RO .85 SPARES ADJ 1.00 DEL STATUS NO PRIOR ENG INV LIST

QTR	PROGRAM FLY HRS	REMOVALS O/H LMT	REMOVALS MAX TIME	REMOVALS O/H WMT	REMOVALS F/M	COMB LMT	COMB WMT	CHRI LMT	CHRI WMT	FHRI	CHRI LMT	CHRI WMT
1 63	50000	.025	.075	.100	.100	.125	.200	2000000	500000	500000	400000	250000
2 63	4050	.120	.020	.140	.010	.130	.150	33750	28929	405000	31154	27000
3 63	100000000	.500	.100	.600	.200	.700	.800	20000000	16666667	50000000	685714	600000
4 63	50000000	.000	.000	.000	.000	.000	.000					
1 64	40500	.030	.000	.030	.020	.050	.050	1350000	1350000	2025000	810000	810000
TOTAL		.675	.195	.870	.330	1.005	1.200					

4-5F-58

ABOVE DATA ARE SIMULATED. WHEN ACTUAL DATA ARE USED, THE REPORT IS CLASSIFIED "SECRET".

TITLE: Official USAF Actuarial Removal Interval and Engine Life Expectancy Tables.

PRODUCT NO: D024KP061.

FREQUENCY: Quarterly.

DATE DUE OUT: Established by AFLC.

DISTRIBUTION: AFLC (MMOMA), OCAMA (MMPMB), SAAMA (MMPMA).

PURPOSE: Provides a listing in three parts. Parts I and II and W/W Actuarial Removal Interval Tables and Engine Life Expectancy Tables. Part III is percentages and ratios of Auxiliary Power Units and Ground Gas Turbine Engines applicable to appropriate aircraft.

Description of contents of columns whose contents are not self-explanatory:

"DO" - Dependability Index.
"RO" - Official Return Rate.

RCS: LOG-MMX(Q)7107.

APPENDIX 4-5G

SELECTED OUTPUT REPORTS FROM AFM 67-1, STANDARD BASE SUPPLY SYSTEM (SBSS)

This appendix consists of reproductions of the following attachments to AFM 67-1:

1. Attachment A-4, Daily Document Register and Item Surveillance List (D04/804)
2. Attachment A-18, Priority Monitor Report/Due-Out Validation (D18/820)
3. Attachment A-23, Not Operationally Ready Supply (NORS) Start-Stop Report (D23/854)
4. Attachment A-31, Base Maintenance Cost System Transaction List and Punchout (D31/983)
5. Attachment B-24, Organization Effectiveness Report (M24/863)
6. Attachment C-4, Repair Cycle Data List (Q04/819)
7. Attachment C-14, SRD Due-Out Summary (Q14/878)

ATTACHMENT A-4

DAILY DOCUMENT REGISTER AND ITEM SURVEILLANCE LIST (D04/804)

1. PURPOSE: When applicable, a three-part listing is provided as follows:

a. Part 1. This part consists of free issues, due-outs, due-out releases, turn-ins with credit code Y, and shipments of SSD/GSD stock funded materiel without reimbursement. Also included are reverse post transactions for free issues, due-out releases, and turn-ins with credit code Y.

b. Part 2. This part consists of repair cycle (XD/XF) items issued without establishing DIFM control; equipment items (ND/NF) issued without establishing EAID control; turn-ins of equipment (ND/NF) with a unit cost of $40.00 or greater utilizing activity code P; and turn-ins of repair cycle items (XD/XF) that bypass DIFM details.

(1) Part 2A: This part consists of turn in transactions containing interchangeability code I.

c. Part 3. This part reflects all transactions processed for assigned organizations and internal supply functions. Produces document control cards (DCC) based on the transaction history indicator to assist in controlling accountable transactions.

2. MANAGEMENT USES:

a. The document register and item surveillance list, in addition to producing the document control cards (DCCs) for use in controlling auditable transactions through the SBSS, provides supply/equipment management and supported customers with a comprehensive daily means to review normal customer transactions while also highlighting the exceptional transactions which may require analysis.

b. Customers are provided with a product in document number sequence which reflects, in clear text, the supply action resulting from customer inputs, including applicable special level detail updates and changes. The daily listing is designed for distribution down to shop level and provides a ready reference for reconciling questions regarding supply response to customer requirements while highlighting possible supply system abuses within the organization. Essentially, a tool for special or organizational audits is available.

c. Within the Chief of Supply complex, this listing provides control and surveillance type information required at all levels of management.

(1) PART 1: Control of stock fund assets is enhanced through production of this part of the D04. This part lists, in document number sequence, issues, due-outs, due-out releases, and shipments of stock fund assets without reimbursement. Turn-ins with credit code Y are also included. To maintain auditability, the corresponding reverse posts of free issues, due-out releases and turn-ins with credit code Y also appear in this section. This part should be screened by the funds manager to insure all transactions that appear are within established authorizations outlined in volume I, part three, chapters 5 and 6.

(2) PART 2: Provides Management with visibility of those transactions which do not conform to standard processing and could potentially affect account integrity.

Specifically: (a) Issue/due-out release of repair cycle items bypassing DIFM control.

(b) Turn-in of repair cycle items bypassing DIFM details.

(c) Issue of equipment (ND/NF) items without establishing EAID control.

(d) Turn-in of equipment (ND/NF) with a unit cost of $40.00 or greater and utilizing activity code P.

(3) PART 2A: This part is designed to assist management in identifying abuses in the use of interchangeability code I on turn ins of repair cycle items. The detail relationship code is printed in position 27 and the input relationship code is in print position 29. NOTE: Both codes are under the heading FAC.

(4) PART 3: In addition to providing the management data and uses outlined in paragraph a above this part of the listing lists activity code Y transactions which can be used by various sections within supply and must be distributed, by TRIC, in accordance with the table in chapter 23. Additionally, since warehouse location changes do not appear in the transaction register (D06), research of this portion of the D04 will assist in correction of inventory out-of-balance conditions when only the document number or warehouse locations is known. Furthermore, all inventory adjustment transactions (IAD) affecting in-use MSK, WRSK, and WRM details will be listed in the inventory section and applicable detail document number sequence. This will provide equipment custodians and WRM, MSK, WRSK monitors with a tool to maintain close surveillance on all inventory actions pertaining to their specific accounts.

3. PROGRAM LOGIC:

a. The daily transaction history record storage area is scanned and a sort key is built for each record containing a 1 or 2 bit in sector position 104. Two additional sort keys may be built based on the following edits:

(1) For Part One of the D04.

(a) TRIC is ISU, TTPC is 1A, 1C, 1E, 3P, or 3Q; and the TEX code is D; or

24-19 Thru 24-21

ATTACHMENT A-4 CONTINUED

(b) TRIC is DUO; TTPC is 4D or 4W; and TEX code is D; or

(c) TRIC is DOR; TTPC 1A; and the reason why code is A or D; or

(d) TRIC is SHP/1SP; and the advice code is 2E; or

(e) TRIC is TIN: TTPC is 1B; and credit code is equal to Y; or

(f) Reverse post transactions for free issues, due-out releases, and turn-ins with credit code Y.

(2) For Part Two of the D04.

(a) TRIC is equal to ISU or DUO; activity code is C, R, S, or X; demand code is I or C; ERRC is XD or XF; and the 5th position of the stock number is not K; or

(b) TRIC is equal to ISU; activity code is P; and the authority for issue code is other than Z; or

(c) TRIC is equal to TIN: ERRC is XD/XF; and TEX code is *, B, D, G, A, F, H; or

(d) TRIC is equal to TIN; ERRC is ND/NF; activity code is P; and the unit price is $40.00 or greater.

b. Sort keys are built six per sector and written to the special sort area. Upon completion of scan, the keys are sorted into system designator, key identification code, type account code, document number, and TRIC for file maintenance transactions (activity code Y) sequence. Upon completion of sort the transaction history records are read and listings produced as follows:

(1) Part one, and part two, if applicable, with page eject on change in type account code and/or system designator.

(2) Part three with page eject on change of type account code (other than B&E), system designator, organization code, or shop code. The "Y" portion of part three will page eject on change of TRIC.

c. Daily Document Register:

(1) ACCUMULATION OF TOTALS: Type stock record account B, C, E, and K totals are accumulated by shop code, organization code, and stock record account. Specific totals are accumulated for all issues, due-outs, due-out not authorized stock, due-out release on time, due-out release delayed, and due-out cancellations for all recurring (demand code C or R) transactions other than type SRA code E. All transactions with type SRA code E and all printable transactions not categorized above are included in the total transactions printed for each stock record account. Upon change in organization code, the totals for issues, due-outs, due-out not authorized stock, due-out release on time, due-out release delayed, and due-out cancellations are converted to binary and added to totals contained on each organization record.

(2) FUELS: Totals (Type SRA P) are accumulated by dispensing unit, shop code, organization code, and stock record account. Specific totals are accumulated for all issues, quantity issued, issues reverse posted, quantity reverse posted, number of turn-ins processed, and quantity turned in. These and all other printable transactions processed are included in number of transactions printed. Organization records are not updated.

4. REFERENCES:

a. Chapter 4, section F.

b. Chapter 5.

5. INPUT: Report Select Card

Card Col	Nr Pos	Field Designation	Remarks
1-3	3	Transaction Identification Code	RPT
4-6	3	Report Number and Frequency	D04
7-29	23	Title (Daily Document Register)	Note 1
30-32	3	Blank	
33	1	11 Zone Punch or Blank	Note 2
34-80	47	Blank	

NOTE 1: Single space between each word in title.

NOTE 2: Punch an 11 zone punch in cc 33 if preprinted forms are being used. Leave cc 33 blank if tabulating paper is used. Either option must be coordinated with satellite accounts if applicable.

6. OUTPUT:

a. Punch

(1) DOCUMENT CONTROL CARDS (DCC).

(2) SEQUENCE - System designator, type account, and document number.

b. Printer - The following abbreviations are used for field headings:

Heading Line 1	Field Designation
STOCK NUMBER	Stock Number
ERC	Repairability/ERRCD-Expendability/Recoverability Cost Designator

24-20 Thru 24-22

ATTACHMENT A-3A

STOCK FUND FREE ISSUE AND MATERIEL RETURNS ANALYSIS CARD (TRIC 1TS)

1. 1TS cards are output by program 988/D03 for end-of-month December and June when the RPTD03 is processed with a C in cc 80. These cards (budget code 1 and 9) are forwarded to the MAJCOM for consolidation. Three cards are produced for each C160 SRAN maintained on the U1050-II.

2. The card formats are as follows:

Card Nr 1

Card Col	Nr Pos	Field Description	Remarks
1-3	3	TRIC	1TS
4-9	6	C160 SRAN	
10	1	Budget Code	1 or 9
11-19	9	XF TIN - Credit	
20-28	9	XF TIN - No Credit	
29-37	9	XF TIN - No Credit, Condemned	
38-46	9	Equip TIN - Credit	Note 1
47-55	9	Equip TIN - No Credit, Serviceable	Note 1
56-64	9	Equip TIN - No Credit, Unserviceable	Note 1
65-73	9	Bench Stock, TIN - Credit	
74-77	4	Blank	
78	1	Command Code of C160	
79	1	Blank	
80	1	Card ID	A

NOTE 1: Field will be blank if cc 10 is BC 1.

NOTE 2: If amount is negative, a (X) 11 zone punch will be in the LSC of the amount field.

Card Nr 2

Card Col	Nr Pos	Field Description	Remarks
1-3	3	TRIC	1TS
4-9	6	C160 SRAN	
10	1	Budget Code	1 or 9
11-19	9	Bench Stock TIN - No Credit	
20-28	9	BSS/TIC/IEU/BST - Credit	
29-37	9	Supplies Forced Turn-In - 1PU - No Credit	
38-46	9	Equip Forced Turn-In - 1PU - No Credit	Note 1
47-55	9	All Other, TIN - Credit	
56-64	9	All Other, TIN - No Credit	
65-73	9	Free Issue, TEX A Supplies	
74-77	4	Blank	
78	1	Command Code of C160	
79	1	Blank	
80	1	Card ID	B

NOTE 1: Field will be blank if cc 10 is BC 1.

NOTE 2: If amount is negative, a (X) 11 zone punch will be in the LSC of the amount field.

Card Nr 3

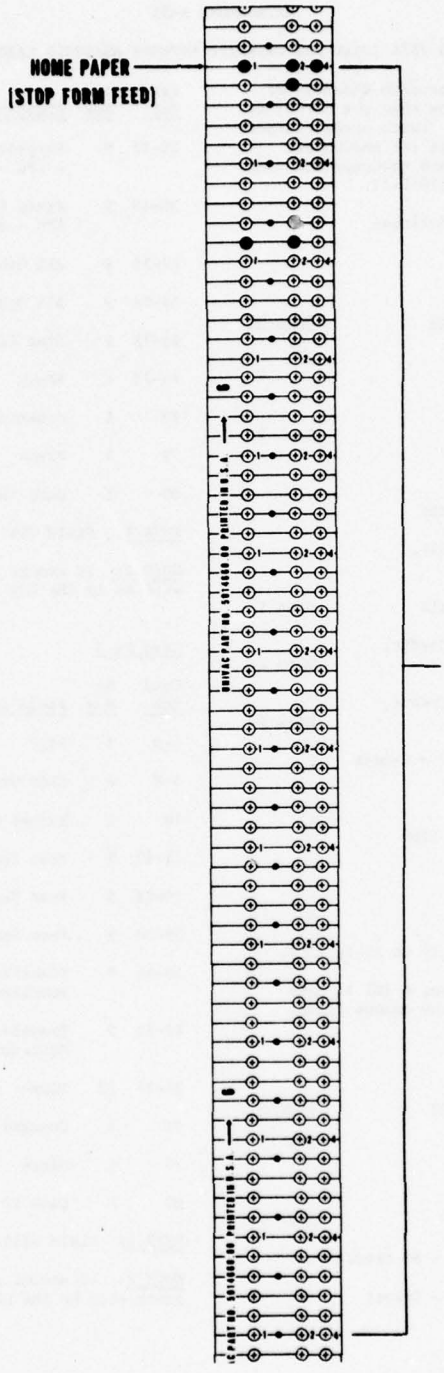
Card Col	Nr Pos	Field Description	Remarks
1-3	3	TRIC	1TS
4-9	6	C160 SRAN	
10	1	Budget Code	1 or 9
11-19	9	Free Issue, TEX D, Supplies	
20-28	9	Free Issue, TEX A, Equip	Note 1
29-37	9	Free Issue, TEX D, Equip	Note 1
38-46	9	Transfers to Disposal, Supplies	
47-55	9	Transfers to Disposal, Equipment	Note 1
56-77	22	Blank	
78	1	Command Code of C160	
79	1	Blank	
80	1	Card ID	C

NOTE 1: Field will be blank if cc 10 is BC 1.

NOTE 2: If amount is negative, a (X) 11 zone punch will be the LSC of the amount field.

24-20A

STOCK FUND FREE ISSUE AND MATERIEL RETURNS ANALYSIS (TAPE LOOP - DCT 2000)



24-20C

ATTACHMENT A-4 CONTINUED

Heading Line 1	Field Designation
FAC	Financial Account Code
IP	Issue Priority
R/I	Routing Identifier
UI	Unit of Issue
NOMENCLATURE	Nomenclature
QTY	Action Quantity
EX COST	Extended Cost
AC	Application Code
MARK FOR	Mark For
S/A	Supplemental Address
TIC	Transaction Identification Code
DOCUMENT NUMBER	Document Number
Line 2 F Line 3 I	File Indicator
Line 2 B Line 3 C	Budget Code
Line 3 TP	TTPC Type Trans Phrase Code
Line 3 TRANS PHRASE	Transaction Phrase
Line 3 DOLD	Date of Last Demand
Line 2 ENDING Line 3 BAL	Ending Balance
Line 2 TRAN Line 3 DATE	Transaction Date
Line 2 SER Line 3 NBR	Transaction Serial Number
Line 3 DOLT	Date of Last Transaction
Line 2 STA Line 3 ADV	Status or Advice Code
Line 2 O Line 3 F	Output Remote Function Number
Line 2 F Line 3 C	Materiel Category/Source of Supply Code
Line 2 STOCK NUMBER REQ	Stock Number Requested
Line 2 REASON Line 3 Y	Reason Why Code (For parts one and two, TRIC DOR, due-out detail TEX code is printed.)

(1) FORMAT - Refer to attachments A-4A, A-4B, and A-4C (to be published at a later date).

(2) SEQUENCE - All listings are in system designator, type account code, and document number sequence.

c. DCT 2000

(1) OUTPUT - Satellite products are identical to host base products and will be directed to the satellite location if a DCT 2000 is installed and operational.

(2) PRINTER TAPE LOOP - Standard DCT 2000 tape loop. Refer to chapter 23, attachment A-12.

8. SPECIAL INSTRUCTIONS:

a. There are two lines of print for each transaction appearing on the document control register. Since each transaction history record is somewhat different, to determine data printed in line 1 and line 2 of the document control register, refer to chapter 4, section F.

b. Parts one and two are printed in the same format as line one of part three.

24-23 Thru 24-27

09 JUL 74 MAXWELL AFB PART 1 DAILY DOC REG & ITEM SURVEILLANCE LIST (D84/884-18) TA B 81 3388 DATE 4198 PAGE 1

STOCK NUMBER..... F B I C	ERC	FAC	IP TP	R/I TRANS	UI PHRASE	NOMENCLATURE.....QTY... DOLD	ENDING BAL...	TRAN DATE	SER NBR..	EX COST.. DOLT	AC STA ADV	O F	MARK FOR..... C STOCK NUMBER REQ..	S/A... Y	TIC DOCUMENT NUMBER REASON
6758 88 868 7981	XB34	448	Y	SEA	PICTURE PACK COLOR				2	$8.22					RVP TIN R421KM 4177 8835
6758 88 868 7981	XB34	448	Y	SEA	PICTURE PACK COLOR				4	$16.44					RVP TIN R421KM 4177 8835

09 JUL 74 MONTGOMERY AL PART 2 DAILY DOC REG & ITEM SURVEILLANCE LIST (D84/884-18) TA B A1 6812 DATE 4198 PAGE 1

STOCK NUMBER..... F B I C	ERC	FAC	IP TP	R/I TRANS	UI PHRASE	NOMENCLATURE.....QTY... DOLD	ENDING BAL...	TRAN DATE	SER NBR..	EX COST.. DOLT	AC STA ADV	O F	MARK FOR..... C STOCK NUMBER REQ..	S/A... Y	TIC DOCUMENT NUMBER REASON
6665 88 764 6395	NF22	888	CT	REA	RADIAC METER				4	$96.88			ZZZ459AO		DUO P371KB 4183 8812
8475 88 888 3946	NF25	888	CT	REA	HELMET FLYERS MED				1	$87.55			M3243 OSS		DUO P372IE 4183 8881
8475 88 888 3946	NF24	888	CT	REA	HELMET FLYERS MED				1	$87.55			D7318 OSS		DUO P372IE 4183 8882
8475 88 888 3946	NF24	888	CT	REA	HELMET FLYERS MED				1	$87.55			K5928 OSS		DUO P372IE 4183 8883
8475 88 888 3946	NF24	888	CT	REA	HELMET FLYERS MED				1	$87.55			J9667 OSS		DUO P372IE 4183 8884
8475 88 888 3946	NF24	888	CT	REA	HELMET FLYERS MED				1	$87.55			66588 OSS		DUO P372IE 4183 8885
8475 88 888 3946	NF24	888	CT	REA	HELMET FLYERS MED				1	$87.55			P1228 OSS		DUO P372IE 4183 8886
8475 88 888 3946	NF24	888	CT	REA	HELMET FLYERS MED				1	$87.55			R1621 OSS		DUO P372IE 4183 8887
8475 88 888 3946	NF24	888	CT	REA	HELMET FLYERS MED				1	$87.55			V9859 OSS		DUO P372IE 4183 8888
8475 88 888 3946	NF24	888	CT	REA	HELMET FLYERS MED				1	$87.55			W8892 OSS		DUO P372IE 4183 8889
8475 88 888 3946	NF24	888	CT	REA	HELMET FLYERS MED				1	$87.55			S8931 OSS		DUO P372IE 4183 8810
8475 88 888 3946	NF24	888	CT	REA	HELMET FLYERS MED				1	$87.55			K6121 OSS		DUO P372IE 4183 8811
8475 88 888 3946	NF24	888	CT	REA	HELMET FLYERS MED				1	$87.55			F8768 OSS		DUO P372IE 4183 8812
8475 88 888 3945	NF25	888	CT	REA	HELMET FLYERS LAR				1	$87.55			W1981 OSS		DUO P372IE 4183 8813
8475 88 888 3945	NF24	888	CT	REA	HELMET FLYERS LAR				1	$87.55			H5873 OSS		DUO P372IE 4183 8814
8475 88 888 3945	NF24	888	CT	REA	HELMET FLYERS LAR				1	$87.55			T1257 OSS		DUO P372IE 4183 8815
8475 88 222 2287	NF25	888	N FPZ	SEA	HELMET FLYERS				1	$68.88			EXCEED 65 PCNT		TIN P372IE 4183 8841

09 JUL 74 MAXWELL AFB PART 3 DAILY DOC REG & ITEM SURVEILLANCE LIST (D84/884-18) TA B 81 3388 DATE 4198 PAGE 14

STOCK NUMBER..... F B I C	ERC	FAC	IP TP	R/I TRANS	UI PHRASE	NOMENCLATURE.....QTY... DOLD	ENDING BAL...	TRAN DATE	SER NBR..	EX COST.. DOLT	AC STA ADV	O F	MARK FOR..... C STOCK NUMBER REQ..	S/A... Y	TIC DOCUMENT NUMBER REASON
3548 88 PA7 38848K	XB35	338	CZ	518 REA	PUSHER A73884K9	ZZZZZ	9			$279.98			D		ISU B187BV 4198 8881
F 9	1A	-ITEM RECORD				3899	88889	4198	86827	3176		B	3548PA73884AK		
3548 88 PA8 88817D	XB33	338	CZ	518 REA	BELT END SEAL	45412	5			$78.25					ISU B187BV 4198 8884
U 9	3P	PARTIAL ISSUE				4844	88888	4198	89837	4893		B	3548PA88817D		
3548 88 PA8 88817D	XB33	888	CZ	REA	BELT END SEAL	45412	1			$15.65			888814	DUO	B187BV 4198 8884
9	4D	+ADD DO DET				88881	4198	89838	4198						
5118 88 278 7166	XB33	338	BZ	518 REA	BEARING 1641DS F/O		6			$38.88			ZZZU7C		DOR X187BV 4172 8851
D 9	1A	-ITEM RECORD				4198	88888	4198	88751	4198	81	I	31102787166	M	

	ISU	DUO	[illegible]	DOR-D	DUO-NAS	DOC	TOTAL
TOTAL THIS SHOP CODE	2	1		8	8	8	4

ATTACHMENT A-18

PRIORITY MONITOR REPORT/DUE-OUT VALIDATION (820/D18)

1. PURPOSE:

To provide data for current review of priority due-out requirements UND A and B daily/weekly and to provide a managerial tool for validating all due-outs monthly, except bench stock, and UND C equipment due-outs which will be validated at least once each quarter.

2. PROGRAM LOGIC:

a. The program select card is read and edited to determine validity. If edits are not valid a Reject 503 will occur and processing is terminated.

b. Upon completion of edit the detail record area is scanned to select all due-outs matching the criteria specified in the program select card and sort keys/records are built in the special sort area. Records are then sorted full sector sort and the priority monitor report or due-out validation listing will be produced based on the option selected. Obligated due-outs, which had a due-out cancellation processed against them and for which immediate cancellation cannot be accomplished, will be excluded from the priority monitor report and due-out validation listing. Due-outs for individual equipment unit and tool issue center supply point and bench stock will be excluded from the due-out validation listing.

c. Listing is produced as follows:

(1) Part One:

(a) Source: Due-outs that are applicable to type organization code: V (vehicle maintenance; G (maintenance activities operating under AFM 66-1), and I (organization reporting base usage for ISSL update) that have a D18 sort/due-out release indicator (refer to due-out detail record format in chapter 4). Due-outs that are applicable to the Maintenance Management Information and Control System (MMICS) will not be selected if card column 67 of the program select card contains an 11 zone punch.

(b) Sequence: *System designator, *Type account code, *Dual material control indicator (cc 34 option program select card), or *Organization code (cc 33 option program select card) or *Organization/*Shop code (cc 68 option program select card). *Organization code 500 through 599 regardless of option utilized; *Standard reporting designator; last five positions of the serial number; thirteen positions of the due-out document number (less activity code). If MMICS due-outs are to be validated, the third sort will be organization sequence.

(c) Frequency:

1. Priority Monitor Report: UND A - Daily, UND B - Weekly.

2. Due-Out Validation: UND A, B, and C - Monthly.

(2) Part Two:

(a) Source: Due-outs applicable to the precision measurement equipment laboratories. (UJC: AO, BO, CO)

(b) Sequence: *System designator, *Type account, *Work order number, end item serial number, and thirteen positions of the due-out document number (less activity code).

(c) Frequency:

1. Priority Monitor Report: UND A - Daily, UND B - Weekly.

2. Due-Out Validation: UND A - as required, UND B and C - Monthly.

(3) Part Three:

(a) Source: Other organizational due-outs not applicable to parts one, two, or four that have a force activity designator of 1 through 5.

(b) Sequence: *System designator, *Type account, *Activity code, *Organization code, *Shop code, date, and serial number, except activity codes B, M, U, and W which will be in *System designator, *Type account, *Activity code, *Organization code, *Shop code, Item number sequence (less date).

(c) Frequency:

1. Priority Monitor Report: UND A - Daily, UND B - Weekly.

2. Due-Out Validation: UND A, B, and C - Monthly (except UND C equipment due-outs which will be validated quarterly).

(4) Part Four:

(a) Source: AWP due-outs with a UJC of AR and BR and transaction exception code is unequal to E. AWP due-outs with TEX code equal to E will appear in parts one through three as applicable.

(b) Sequence: *System designator; *Type account; *Dual material control indicator (cc 34 option program select card) or *Organization code (cc 33 option program select card), *Organization/*shop (cc 68 option program select card), *Organization code 500 through 599 regardless of select option; *Standard reporting designator; fourteen positions of the DIFM end item document number.

(c) Frequency:

1. Priority Monitor Report: As required.

2. Due-Out Validation: Monthly.

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ATTACHMENT A-18 CONTINUED

(5) Part Five:

(a) Source: NORS reportable dueouts that have a NORS indicator of / (slash) 1, J, and K.

(b) Sequence:

1. Card column 71 program select card blank: *System designator, *Type account, *UJC, and fourteen positions of the due-out document number.

2. Card column 71 program select card S: *System designator, *Type account, and stock number sequence.

3. Card column 71 program select card M: *System designator, *Type account, *Standard reporting designator, last five positions of the serial number, and requisition number.

(c) Frequency:

1. Priority Monitor Report: As required.

2. Due-Out Validation: Not applicable.

(d) Totals: Totals will be accumulated by NORS indicator/UJC for due-outs with matching due-ins, due-out with no matching due-in, and overall totals for each category.

NOTE: * Indicates page eject on the priority monitor report and due-out validation listing. Dollar value summary totals will be printed on the due-out validation listing only.

3. TOTALS:

Due-out validation: Dollar value summary totals will be accumulated by investment and expense for memo and firm due-outs with overall totals upon change of part number, system designator, or type account code.

4. INPUT:

a. Program select card, priority monitor report. Daily/weekly review of due-outs.

Card Col	Nr Pos	Field Designation	Remarks
1-3	3	Transaction Identification	RPT
4-6	3	Report Number	D18
7-29	23	Title	Priority Monitor Report
30-32	2	Blank	
33	1	Selector	Table 1
34	1	Selector	Table 1
35-64	30	Blank	
65	1	Selector	Table 1
66	1	Selector	Table 1
67	1	Selector	Table 1
68	1	Selector	Table 1
69	1	Selector	Table 1
70	1	Type of Run	Table 1
71	1	Part 5 Sort/Sequence Option	Table 1
72	1	UND Selection Option	Table 1
73	1	Blank	
74	1	Parts Selection Option	Table 1
75-80	6	Blank	

ATTACHMENT A-17C

D17/847 OUTPUT WAREHOUSE LOCATION CHANGE

Line	Print Position	Field Description	Source	Note
1	1-4	FSG	004-007	1
	5	Blank		
	6-10	SN Position 5-9 of NIIN	008-012	
	11	Blank		
	12-17	NIIN	013-018	
	18	Blank		
	19-20	System Designator	019-020	
	21	Blank		
	22-23	Unit of Issue	021-022	
	24	Blank		
	25-27	ERRC	037-039	
	28	Blank		
	29-33	Demand Level	140-145	
2	1-2	Warehouse Number	084-085	
	3	Stockroom or Storage Section	086	
	4	Blank		
	5-7	Bin Row	087-089	
	8	Level, Horizontal Bin Row, or Bay Subdivision	090	
	9	Blank		
	10	Rotary Bin or First Digit of Bin Vertical Number	091	
	11-12	Remaining two digits of vertical bin number, bay subdivision, or pallet number; or, two digit for vertical bin number of rotary bins	092-093	
	13	Bin or Pallet Subdivision	094	
	14	Blank		
	15	Controlled Item Code	045	
	16	Blank		
	17	Shelf Life Code	047	
	18	Blank		
	19	Issue Exception Code	050	
	20	Blank		
	21-22	Type Cargo Code	151-152	
	23-33	Blank		
3	1-24	Nomenclature	053-076	
	25-33	Unit Price	023-030	2

NOTE 1: If stock number position 5 contains an alpha character, the remainder of the stock number will be printed in positions 6 through 17.

NOTE 2: Dollar sign is inserted and the field is zero suppressed to the last two positions.

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TABLE 1

PRIORITY MONITOR REPORT/DUE-OUT VALIDATION (820/D18)

PROGRAM SELECT CARD DAILY/WEEKLY REVIEW OF DUE-OUTS

If Select Option is / Card Column	3rd Major Sort - Parts 1 & 4 Org	1 & 4 Org Shop	1 & 4 Mat Cont Desig	Omit Due-Outs MMICS	AMP	PMEL	EMO	Daily/ Weekly Review of Due-Outs	Part Five Sort Options SD,TA UJC, Doc No.	SD,TA NSN	SD,TA,SRD Last Five Pos Ser No. Req No.	Select UND Slash (/), 1,A,B,J,K Due-Outs	Slash (/), 1,A,J,K Due-Outs	B Due-Outs	Select UND/NORS Indicator Slash (/) 1, J, K Due-Outs	Print Parts 1,3,5	2	4	1,3	5
33 = 11 Zone	X Note 1								X			X				X	X	X		
34 = 11 Zone			X Note 2						X			X				X	X	X		
65 = 11 Zone					X				X			X				X	X			
66 = 11 Zone							X													
67 = 11 Zone				X																
68 = 11 Zone		X Note 5														X	X	X		
69 = 11 Zone						X										X		X		
Mandatory 70 = R								X												
71 = Blank									X			X				X	X	X		
71 = S										X		X				X	X	X		
71 = M											X	X				X	X	X		
72 = Blank												X				X	X	X		
72 = A													X			X	X	X		
72 = B														X		X	X	X		
11 Zone															X Note 3					X
74 = Blank																X Note 4	X	X		
74 = 3																	X		X	

NOTE 1: CC 34 & 68 must be blank.
NOTE 2: CC 33 & 68 must be blank.
NOTE 3: CC 74 must be blank.
NOTE 4: If cc 72 contains an 11 zone, part five only will be printed.
NOTE 5: CC 33 & 34 must be blank.

TABLE 1

PRIORITY MONITOR REPORT/DUE-OUT VALIDATION (820/D18)

PROGRAM SELECT CARD DAILY/WEEKLY REVIEW OF DUE-OUTS

If Select Option is	3rd Major Sort - Parts			Omit Due-Outs				Daily/ Weekly Review of Due-Outs	Part Five Sort Options			Select UND			Select UND/NORS Indicator Slash (/) 1, J, K Due-Outs	Print Parts				
	1 & 4 Org	1 & 4 Org Shop	1 & 4 Mat Cont Desig	MMICS	AMP	BCE	END		SD,TA UJC, Doc No.	SD,TA NSN	SD,TA,SRD Last Five Pos Ser No. Req No.	Slash (/), 1,A,B,J,K Due-Outs	Slash (/), 1,A,J,K Due-Outs	B Due-Outs		1,3,5	2	4	1,3	5
Card Column																				
33 = 11 Zone	X Note 1								X			X				X	X	X		
34 = 11 Zone			X Note 2						X			X				X	X	X		
65 = 11 Zone					X				X			X				X	X			
66 = 11 Zone							X													
67 = 11 Zone				X																
68 = 11 Zone		X Note 5														X	X	X		
69 = 11 Zone						X										X		X		
Mandatory 70 = R								X												
71 = Blank									X			X				X	X	X		
71 = S										X		X				X	X	X		
71 = M											X	X				X	X	X		
72 = Blank												X				X	X	X		
72 = A													X			X	X	X		
72 = B														X		X	X	X		
72 = 11 Zone															X Note 3					X
74 = Blank																X Note 4	X	X		
74 = 3																	X		X	

NOTE 1: CC 34 & 68 must be blank.
NOTE 2: CC 33 & 68 must be blank.
NOTE 3: CC 74 must be blank.
NOTE 4: If cc 72 contains an 11 zone, part five only will be printed.
NOTE 5: CC 33 & 34 must be blank.

ATTACHMENT A-18 CONTINUED

b. Program Select Card Due-Out Validation:

Card Col	Nr Pos	Field Designation	Remarks
1-3	3	Transaction Identification Code	RPT
4-6	3	Report Number	D18
7-24	18	Report Title	Due-Out Validation
25-31	7	Blank	
32	1	Selector Punch Option	Note 1
33	1	Organization Sort Option	Note 2
34	1	Material Control Sort Indicator	Note 3
35-37	3	Organization Code 1	Note 4
38-64	27	Organization Codes 2 Thru 10	Note 4
65	1	Blank	
66	1	MMICS Select Option	Note 12
67	1	MMIC Bypass Option	Note 5
68	1	Organization/Shop Sort Option	Note 6
69	1	PMEL Option Part 2	Note 7
70	1	Type of Run	Note 8
71	1	Blank	
72	1	UND/Activity Code Selector	Note 9
73-74	2	Blank	
75-76	2	System Designator Selector	Note 10
77	1	Blank	
78	1	Equipment UND Selector	Note 11
79-80	2	Blank	

NOTE 1: Enter X (11 zone) punch card column 32 if due-out cancellation/revalidation cards are to be output. If MMICS due-outs are to be punched, also enter an 11 zone qunch in cc 66.

NOTE 2: Enter X (11 zone) punch card column 33 if parts 1 and 4 are to be sorted by organization code as third major sort. If this option is utilized card column 34 and 68 must be blank.

NOTE 3: If parts 1 and 4 are to be sorted by dual material control indicator (high order position of delivery destination) enter X (11 zone) card column 34. If this option is utilized card column 33 and 68 must be blank.

NOTE 4: When selected organizations due-outs are to be validated enter applicable codes in card columns 35 through 64, left justified. This option can be utilized in conjunction with activity code selection (cc 77-78) and/or cc 72.

NOTE 5: Enter an 11 zone punch card column 67 if due-outs applicable to the Maintenance Management Information and Control System (MMICS) are not to be printed.

NOTE 6: If parts 1 and 4 are to be sorted by organization/shop as third major sort, enter an 11 zone punch card column 68. Sheet eject will be on change of system designator, type account, organization code or shop code. If this option is utilized card column 33 and 34 must be blank.

NOTE 7: Enter an 11 zone punch if part two (UJC A0, B0, C0) PMEL due-outs are not to be printed.

NOTE 8: Punch V for monthly/quarterly review of due-outs. Cannot be blank.

NOTE 9: Card column 72 applies as follows:

a. Blank: Selection of slash /, 1, A, B, J, and K due-outs.

b. C: Selection of UND C due-outs (excluding equipment due-outs unless specifically requested in cc 78).

c. A: Selection of all due-outs (excluding equipment due-outs UND C unless specifically requested in cc 78).

d. X (11 zone): Punch an X (11 zone) if selection is desired by activity code. Used in conjunction with (cc 78) and/or (cc 75-76).

NOTE 10: Blank if due-out validation is for all system designators, otherwise enter applicable system designator for single selection.

NOTE 11: Punch an E if equipment due-outs including activity code P are to be validated. This option can be utilized in conjunction with selective organization and/or system designator selection.

NOTE 12: If MMICS due-outs are to be selected, enter an 11 zone punch in cc 32 and 66. This will cause the organization sequence to the selected and the MMICS indicator to be punched in cc 65.

c. Load Sequence: Report select card.

ATTACHMENT A-18 CONTINUED

5. OUTPUT:

a. Punch:

(1) Due-out cancellation/revalidation cards if card column 32 of the due-out report validation program select card contains an eleven zone punch.

(a) Format: Refer to chapter 10, attachment 3.

(b) Sequence: As requested.

b. Printer:

(1) Priority monitor report.

(2) Due-out validation.

(3) Paper and number of parts: Tabulating, 3 part.

(4) Formats: See attachments A-18A thru A-18I.

c. DCT - 2000:

(1) Punch: Same as 5a.

(2) Printer: Same as 5b.

(3) Paper and number of parts: Tabulating, 3 part.

(4) Format: See printer.

d. Clarification of Header Lines and Source Data:

PRIORITY MONITOR REPORT HEADINGS

	Heading	Contents	Print Positions	Sector Positions	Source
	Stock Number	Due-Out Stock Number	01-18	004-018	D/O Detail
	Noun	10 Most Significant Characters/ Nomenclature	20-29	053-062	Item Record
	ERC	Expendability/Recoverability/ Reparability/Cost Designator	31-33	037-039	Item Record
	U/I	Unit of Issue	35-36	021-022	Item Record
	RID	Routing Identifier (Note 1)	38-40	034-036 056-058 056-058	Item Record D/I Detail Status Detail (Not applicable to local purchase status)
	SRD	Standard Reporting Designator	42-44	055-057	D/O Detail
Parts 1 and 5	Serial Number	Last Five Positions Serial Number	48-52	058-062	D/O Detail
	WUC	Work Unit Code	54-55	063-064	D/O Detail
Part 2	End Item Number	Mark for Field	42-55	055-068	D/O Detail
Part 3	Mark-For	Mark-For Data	42-55	055-068	D/O Detail
Part 4	Mark-For	DIFM End Item Document Number	42-55	058-068	D/O Detail
	SUPAD	Supplementary Address/Work Order Number	57-62	069-074	D/O Detail
	DD	Delivery Destination	64-66	041-043	D/O Detail
	STD	Source Transaction Date	69-71	050-052	Status Detail
	Due-In	Due-In Document Number (Notes 2,3 and 8)	73-80	033-040	D/I Detail

ATTACHMENT A-18 CONTINUED

Heading	Contents	Print Positions	Sector Positions	Source
I	Follow-Up Cancellation Request (Note 4)	82	054	Status Detail
RDD	Required Delivery Date (Note 5)	84-86	045-047	Due-In Detail
	Cancellation Code (Note 6)	85-86	50-51	Due-Out Detail
	Purchase Order Number (Note 7)	83-87	071-075	Status Detail
PST	Previous Status	89-90	044-045	Status Detail
	BPA Call Number (Note 7)	89-91	044-046	Status Detail
CST	Current Status/Mode of Shipment	93-94	042-043	Status Detail
PI	Due-In Priority	96-97	048-049	Due-In Detail
EDD	Estimated Delivery Date (Followup/MILSTRIP)	99-102	046-049	Status Detail
	Estimated Delivery Date (Local Purchase)	100-102	047-049	Status Detail
QTY	Due-Out Quantity	103-107	021-025	Due-Out Detail
D/O DOC Number	Due-Out Document Number	109-123	027-040	Due-Out Detail
JC	Urgency Justification Code	125-126	044-045	Due-Out Detail
	* Indicate Due-Out is applicable to MMICS	127	N/A	N/A
M	Memo/Firm Due-Out Indicator	128	075	Due-Out Detail

NOTE 1: Routing identifier from the status detail will be printed. If no status detail exists, then the routing identifier will be printed from the due-in detail. If no due-in exists, then the item record routing identifier will be printed.

NOTE 2: If the due-in quantity is unequal to the due-out quantity, the due-in and status data will be printed on the next line single space following the due-out. Additional lines will be printed for partial status.

NOTE 3: If the due-in is for a satellite system designator and the satellite account has been transferred from one computer support base to another, the first position of the serial number will contain an alpha character. Z and Y represents numeric zero (Ø). A thru I and J thru R represents 1 thru 9, respectively.

NOTE 4: Print position 82 applies as follows:

a. R - Depot reconciliation has occurred during reconciliation cycle.

b. T - A TAR card has been output to trace this shipment.

c. 1 - Indicates due-in requiring cancellation but this action could not be done.

d. C - Indicates a followup on previous cancellation request.

NOTE 5: For reportable NORS/ANORS condition print position 84 will contain N or E. Print positions 85-86 will contain the appropriate UJC.

NOTE 6: If the due-in detail has been canceled for that specific due-out, the cancellation code will be printed in print position 85-86 from the due-out detail.

NOTE 7: For local purchase status the purchase order number will be printed in print positions 83-87 and 89-91.

NOTE 8: The phrase CONSD RQN will be printed if the due-out is applicable to consolidated requisitioning procedures.

ATTACHMENT A-18 CONTINUED

DUE-OUT VALIDATION HEADINGS

	Heading	Contents	Print Positions	Sector Positions	Source
	Stock Number	Due-Out Stock Number	01-18	004-018	D/O Detail
	Noun	10 Most Significant Characters/ Nomenclature	20-29	053-062	Item Record
	ERC	Expendability/Recoverability/ Reparability/Cost Designator	31-33	037-039	Item Record
	U/I	Unit of Issue	35-36	021-022	Item Record
	RID	Routing Identifier	38-40	034-036	Item Record
Parts 1 and 5	SRD	Standard Reporting Designator	42-44	055-057	D/O Detail
Parts 1 and 5	Serial Number	Last Five Positions Serial Number	48-52	058-062	D/O Detail
Parts 1 and 5	WUC	Work Unit Code	54-55	063-064	D/O Detail
Part 2	FAC	Facility Number	42-46	055-059	D/O Detail
Part 2	INST	Installation Number	47-50	060-063	D/O Detail
Part 2	JOB Number	Job Order Number	52-55	065-068	D/O Detail
Part 3	Mark-For	Mark-For Data	42-55	055-068	D/O Detail
Part 4	Mark-For	DIFM End Item Document Number	42-55	058-068	D/O Detail
	SUPAD	Supplementary Address/Work Order Number	57-62	069-074	D/O Detail
	DD	Delivery Destination	64-66	041-043	D/O Detail
	DOOB	Date of Obligation	68-71	076-079	D/O Detail
	BC	*Budget Code*	75	154	Item Record
	Total $ Value	(Extended Dollar Value)	77-89	I/R (23-30)x D/O (21-25)	Item Record/ D/O Detail
	TX	Transaction Exception	93	046	D/O Detail
	DM	Demand Code	97	054	D/O Detail
	QTY	Due-Out Quantity	103-107	021-025	D/O Detail
	D/O DOC Number	Due-Out Document Number	109-123	027-040	D/O Detail
	JC	Urgency Justification Code	125-126	044-045	D/O Detail
		* Indicate Due-Out is applicable to MMCIS	127	N/A	N/A
	M	Memo/Firm Due-Out Indicator	128	075	D/O Detail

6. MANAGEMENT USES:

a. Priority Monitor Report: Used to monitor and validate priority due-out UND A and B, and to facilitate requisitioning, followup, and cancellation action.

b. Due-Out Validation: Utilize to validate due-outs UND A, B, and C on a monthly basis except equipment UND C bench stock due-outs which will be validated quarterly. Additional management uses are contained in chapter 10.

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ATTACHMENT A-18A

PRIORITY MONITOR REPORT (820/D18) FB4484 DATE PAGE 3

SYSTEM DESIGNATOR 01 SUPPLIES PART 1 MATERIAL CONTROL/ORG SRD CYA

STOCK NUMBER	NOUN	ERC	UI	RID	SRD	SER NUMBER	WU	SUP AD	DD	DOLT	DUE-IN	I	RDD	P/ST	C/ST	EDD	QTY	D/O	DOC	NUMBER	JC	M
9390 889 2991JH	RUBBER SPE	XB3	EA	FLZ	CYA	00006		158849	752	3115	31150578				BB	145	4	X284DK		31150322	BQ	P
1560 573 2393JH	PANEL FLAP	XF2	EA	FLZ	CYA	00006	23	342749	752	3134	31340178						1	X284PD		31340238	BQ	0
4010 609 0165	CHAIN PNRS	XB3	EA	S9I	CYA	00006	23	342749	752	3134	NO DUE-IN						16	X284PD		31340241	BQ	1
1660 758 1575	SENSOR 54	XD2	EA	FHZ	CYA	00006	41	260250	752	3126	31260015			BA	N	130	1	X285EN		31260217	BQ	P
1560 789 6384JH	FITTING AS	XB3	EA	FLZ	CYA	00006		168849	752	3115	31150836				BB	146	1	X285RR		31150435	BQ	0
1560 789 4655JH	FITTING AS	XB3	EA	FLZ	CYA	00006		158849	752	3115	31150883				BB	146	1	X285RR		31150436	BQ	0
6220 941 6550	PANEL ASSY	XB3	EA	FPZ	CYA	00006		158849	752	3116	NO DUE-IN						1	X295RA		31150328	BQ	1
1560 951 3762JH	LATCH 3P9	XF2	EA	FLZ	CYA	00008			752	3099	30980639			BB	BP	220	1	X167BA		30980358	BQ	0
1560P0302384484	STRIP 3E22	XB3	EA	JBD	CYA	00008	11	290802	752	3129	31290712						2	X167BD		31290336	BQ	0
															BA	160	1					
1560L0261424484	PANEL 3F31	XB3	EA	JBD	CYA	00008	11	290802	752	3129	31290711				BA	160	6	X167BD		31290338	BQ	0
1680 834 9009	BOUT CONTR	XB3	EA	FPZ	CYA	00008	11	300802	752	3130	31300576				BB	161	2	X167BD		31300469	BQ	0
1560L0275224484	STRAP 3E42	XB3	EA	JBD	CYA	00008	11	300802	752	3133							16	X167BD		31300470	BQ	P
											31300782				BA	165	20					
											31300548				BA	165	7					
1680 820 4141	POUCH LIFE	XB3	EA	FPZ	CYA	00008	11	300802	752	3130	31300535				BB	161	2	X167BD		31300471	BQ	0
1680 677 7064	LINK ASSY	XB3	EA	FPZ	CYA	00008	12	300802	752	3133	31310010		N1A	N	PA	141	1	X167BD		31300496	1A	0
1680 679 2183	SHROUD,ARM	XB3	EA	FPZ	CYA	00008	12	300802	752	3130	31300553				PA	145	1	X167BD		31300497	BQ	0
8105L0322014484	BAG,MESH,F	XB3	EA	JBD	CYA	00008	11	310802	752	3133	NO DUE-IN						1	X167BD		31310394	BQ	1
1680 677 7039	COVER ASSY	XB3	EA	FPZ	CYA	00008	12	310802	752	3133	31310947				BB	162	2	X167BD		31310421	BQ	0
1680 939 1370	COVER SEAT	XB3	EA	FPZ	CYA	00008	12	310802	752	3133	31310948			BA	BB	162	1	X167BD		31310422	BQ	0
1680 677 7064	LINK ASSY	XB3	EA	FPZ	CYA	00008	12	29C918	752	3130	31300051			BA	N	130	1	X167DK		31290683	BQ	P
5841 133 9183	RECEIV 150	XD2	EA	FLZ	CYA	00008	72	341038	752	3134	31340274		F1B				1	X295RA		31340263	1B	P
1560 911 9502JH	LATCH 3P9	XF2	EA	FLZ	CYA	00010		062751	752	3106	31060235				BB	136	1	X167AC		31060214	BQ	0

ATTACHMENT A-18B

PRIORITY MONITOR REPORT (820/D18) FB4484 DATE PAGE 2

SYSTEM DESIGNATOR 01 SUPPLIES PART 2 WORK ORDER NUMBER A00003

STOCK NUMBER	NOUN	ERC	UI	RID	FAC	INST	JOB#	SUP AD	DD	DOLT	DUE-IN	I	RDD	P/ST	C/ST	EDD	QTY	D/O	DOC	NUMBER	JC	M
5330P7-57-089	O RING	XB3	EA	JBB	017,8	PIF		A00003	001	3098	30960945		M5691	000	RV	140	8	R900	FD	30956037	BW	0
5330P7-57-050	O RING	XB3	EA	JBB	017,8	PIF		A00003	001	3098	30960947		M5691	000	RV	140	8	R900	FD	30956038	BW	0
5330P7-57-032	O RING	XB3	EA	JBB	017,8	PIF		A00003	001	3098	30960948		M5691	000	RV	140	8	R900	FD	30956039	BW	0
5330P7-57-034	O RING	XB3	EA	JBB	017,8	PIF		A00003	001	3098	30960949		M5691	000	RV	140	8	R900	FD	30956040	BW	0
5330P7-57-088	O RING	XB3	EA	JBB	017,8	PIF		A00003	001	3098	30960956		M5691	000	RV	140	6	R900	FD	30956041	BW	0
5330P7-57-056	O RING	XB3	EA	JBB	017,8	PIF		A00003	001	3098	30960964		M5691	000	RV	140	8	R900	FD	30956042	BW	0
5330P7-57-071	O RING	XB3	EA	JBB	017,8	PIF		A00003	001	3098	30960969		M5691	000	RV	140	8	R900	FD	30956043	BW	0
7195 647 2124	POST PARTI	XB3	EA	GN0	017,8	PIF		A00003	616	3099	NO DUE-IN						4	R900	FD	30966014	BW	1
6330 965 1724	CHAMOIS LE	XB3	EA	GN0	017,8	PIF		A00003	616	3099	30991044			BA	R	128	12	R900	FD	30966018	BW	0
4320P840-026	SHAFT SLEE	XB3	EA	JBB	021,1	PIF		A00003	001	3066	225A1092		M6045	000	RV	145	1	R900	HV	22576027	BW	0
6850 181 7940	ANTIFREEZE	XB3	DR	S9G	341,2	PIF		A00003	001	3123	NO DUE-IN						12	R900	MC	31236005	BW	1
6017L0273674484	PAINT,LATE	XB3	CN	GN0	020,0	PIF		A00003	001	2279	31340598						15	X900	PA	21946143	BW	0
6685 527 7437 6685 834 0123	THERMOMETE	XB3	EA	FPZ	341,1	PIF		A00003	001	2342	23420592			BB	RB	198	3 3	R900	PG	23426015	BW	0
6750 253 1794	PAPER,COPY	XB3	PG	JBB	341,0	PIF		A00003	001	3133	3117045A		M6245	000	RV	162	15	R900	PG	31176037	BW	0
5610L0025824484	ASPHALT	XB3	TN	JBB	034,1	PIF		A00003	001	3112	NO DUE-IN						11	R900	PV	31096019	BW	1
4030L0331174484	SOCKET,OPE	XB3	EA	JBB	034,1	PIF		A00003	616	3115	NO DUE-IN						10	R900	PX	30896013	BW	1
0730L0320094484	MAPLE TREE	XB3	EA	JBB	034,1	PIF		A00003	001	3071	31231157						25	R900	RG	30716022	BW	0
7910P8197032	BAG,VACUUM	XB3	EA	JBB	034,1	PIF		A00003	001	3123	NO DUE-IN						2	R900	RG	31236016	BW	1
6810L0318224484	SODIUM FLO	XB3	BG	JBB	020,0	PIF		A00003	616	3127	3130025?						20	R900	WW	31246025	BW	0
6645 514 3523	CLOCK WALL	XB3	EA	S9G	017,8	PIF		A00003	001	3079	3079009?			BD	RV	139	2	R904	FD	30796016	BW	0
6685 828 0565	GAGE PRES	XB3	EA	FPZ	017,8	PIF		A00003	001	2285	22850297			BB	RB	146	24	R907	FD	22846039	BW	0
5117 105 3537	CONE + ROL	XB3	EA	S9I	017,8	PIF		A00003	001	3109	3134AA06						9	R907	FD	31096017	BW	0

ATTACHMENT A-18C

PRIORITY MONITOR REPORT (820/D18) FB4484 DATE PAGE 5

SYSTEM DESIGNATOR ø1 SUPPLIES PART 3 ACT/ORG/SHOP W002WR

STOCK NUMBER	NOUN	ERC	UI	RID	MARK FOR	SUP AD	DD	DOLT	DUE-IN	I	RDD	P/ST	C/ST	EDD	QTY	D/O	DOC	NUMBER	JC	M
6610 83M 3587JH	ATTITU1432	XD2	EA	FLZ	MSI	340946	K03	3134	31340143						1	W002WR		ø1423912	AT	ø
6610 830 3587JH	ATTITU1432	XD2	EA	FLZ	MSI	340975	I03	3134	31340145						1	W002WR		ø1443912	AT	ø
6610 905 6630	TRANSM 3B9	XD2	EA	FHZ	MSI	300110	N03	3133	31310018				RA	141	1	W002WR		ø0173920	AT	ø
6615 ø08 2588JH	FLARECOM 1	XD2	EA	FLZ	MSI	320956	700	3133	31320230				RA	142	1	W002WR		ø2293950	AT	ø
6615 118 7635	YD COMPU 1	XD2	EA	FHZ	MSI	345699	700	3134	31340525						1	W002WR		ø5243968	AT	ø
6615 118 7638	COUP AUTO1	XD2	EA	FHZ			ø00	3121	31210202			BB	RA	141	1	W002WR		31213971	AT	ø
6615 807 ø430	ACTUAT 3K9	XD2	EA	FHZ	MSI	250879	700	3126	31250013				RB	155	1	W002WR		ø0123998	AT	ø
6620 113 9145	VIBRATION	XB3	EA	FHZ			547	3112	31101210			BA	N	131	1	W002WR		31104004	AT	ø
6620 585 1503	GENERATOR	XB3	EA	FHZ			ø00	3121	31210191				RB	151	2	W002WR		31224017	AT	ø
6620 585 1503	GENERATOR	XB3	EA	FHZ	MSI	305701	K01	3130	31300546				RB	161	1	W002WR		ø5454017	AT	ø
6620 585 1503	GENERATOR	XB3	EA	FHZ			547	3123							8	W002WR		31154017	AT	ø
									31150290				RB	145	9					
									31140468				RB	145	1					
6620 585 1503	GENERATOR	XB3	EA	FHZ			547	3120	31200003				RB	150	1	W002WR		31204017	AT	ø
6620 585 1503	GENERATOR	XB3	EA	FHZ			547	3120	31200060				RB	150	1	W002WR		31214017	AT	ø
6620 902 3688	TRANS PRES	XB3	EA	FHZ	MSI	310065	654	3133	31311297				RB	314	1	W002WR		12964021	AT	ø
6620 902 3686	TRANS PRES	XB3	EA	FHZ	MSI	322765	654	3133	31320240				RB	314	1	W002WR		ø2434021	AT	ø
6620 902 3688	TRANS PRES	XB3	EA	FHZ			547	3094	30950265						97	W002WR		30914021	AT	ø
												BB	BP	186	87					
												BA	N	132	10					
6665 403 7519	INDICA 3E9	XD2	EA	FPZ			547	3105	31030176			BB	BP	194	1	W002WR		31034041	AT	ø
6665 897 8478	INDICAT 8D	XD2	EA	FPZ	MSI	260246	CR5	3126	31260006						1	W002WR		ø0054055	AT	ø
6665 937 4039												BB	RA	136	1					
6665 705 0057	INDICATOR	XB3	EA	FPZ	MSI	325675	904	3133	31320263				RA	141	1	W002WR		ø2614057	AT	ø
6665 56 [illegible]	TRANSM TEM	XB3	EA	S9G			547	3123	31240047			BD	RB	209	1	W002WR		31234068	AT	ø

ATTACHMENT A-18D

PRIORITY MONITOR REPORT (820/D18) FB4484 DATE PAGE 1

SYSTEM DESIGNATOR 01 SUPPLIES PART 4 MATERIAL CONTROL/ORG SRD

STOCK NUMBER	NOUN	ERC	UI	RID	SRD	MARK FOR	SUP AD	DD	DOLT	DUE-IN	I	PDD	P/ST	C/ST	EDD	QTY	D/O	DOC	NUMBER	JC	M
1630 567 8139	LINING FRI	XB3	EA	FGZ		X285PN31062000		754	3113	31140410				PB	145	44	X285PN		31140815	AR	0
1630 567 8139	LINING FRI	XB3	EA	FGZ		X285PN31062025		754	3116	31160210				PB	146	44	X285PN		31150470	AR	0
1630 567 8139	LINING FRI	XB3	EA	FGZ		X285PN31132007		754	3126	31240672				PB	154	44	X285PN		31230322	AR	0
0005 821 5314	NETWORK, L	XD2	EA	FHZ		X295CB31092012		753	3134	31340183						1	X295CB		31340000	AR	0
5913 883 7555	CAPACITOR	XB3	EA	S9E		X295RA31152009		753	3130	31300430				BA	145	1	X295RA		31290579	BR	0
5821 936 1022	MODULE RAD	XB3	EA	FLZ		X295RQ31152014		753	3121	31210343			BA	99	131	1	X295RQ		31200442	AR	0
5821 999 1431	TRANSMITTE	XD2	EA	FLZ		X295RQ31152015		753	3121	31210330				PB	152	1	X295RQ		31200432	AR	0
0015 809 4514	POWER SUPP	XD2	EA	FHZ		X296AP31032020		753	3106	31060750			BA	N	126	1	X296AP		31060815	AR	0
0115P1089023-1	T/O 5A7-3-	XB3	EA	FHZ		X296AP31142001		753	3120	31209075				99		1	X296AP		31200000	BR	0
0615 950 4212	MODULE ASS	XD2	EA	FHZ		X296AP31142001		753	3117	31170385				PB	147	1	X296AP		31160362	BR	0
1560P40-0179-1	T/O 8A10-2	XB3	EA	FPZ		X296EL31082020		754	3121	31210262			BT	99	131	1	X296EL		31210003	AR	0
5310 274 9377	NUT MS2036	XB3	EA	S9I		X384MA31240030		754	3129	31240675				BZ	134	1	X296FL		31240004	AR	0
5975 234 3530	BUSHING CL	XB3	EA	S9G		X384MA31240030		754	3126	31270526				BD	173	2	X296FL		31240005	AR	0
1630 567 8139	LINING FRI	XB3	EA	FGZ		S285TR00750075		754	3121	31210270			BB	PB	304	44	X285PN		31200347	AR	0
5340 604 4494	INSERT SCR	XB3	EA	S9I		S285TR00750075		754	3121	31240694			BD	BB	218	24	X285PN		31200348	AR	0
5977 954 0555	BRUSH,HOLD	XB3	EA	S9G		X167BD31000359		754	3127	31270200				BA	136	1	X296EL		31270001	AR	0
1680 998 3440	PAD LEVELI	XB3	EA	FPZ		X167RS30750377	FB4484	754	3087	30930702			BB	BP	304	5	X285AC		30870396	AR	0
1680 911 0818	PAD LECELI	XB3	EA	FPZ		X167RS30750377		754	3102	31020634				BB	139	5	X285AC		31020003	AR	0
5315 914 8472A2	PIN STRAIG	XB3	EA	FPZ		X167RS30750377		754	3101	31010308			BB	BP	312	5	X285AC		31000485	AR	0
0105 964 7464	MOTOR A/C	XD2	EA	FPZ		X167RS30750377	FB4484	754	3073	30801406			BB	BP	171	1	X296EL		30730285	AR	0
1680 918 1647	AXLE MAIN	XB3	EA	FPZ		X167RS30750377		754	3134	31340240						1	X285AC		31340013	AR	0
1680 918 1638	FRAME,WHEE	XB3	EA	FPZ		X167RS30750377		754	3100	31000793			BB	BP	162	4	X285AC		31000466	AR	0

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PRIORITY MONITOR REPORT (820/D18) FB4484 DATE PAGE 1

SYSTEM DESIGNATOR 01 SUPPLIES PART 5 NORS REPORTABLE DUE-OUTS

STOCK NUMBER	NOUN	ERC	UI	RID	SRD	SER NUMBER	WU	SUP AD	DD	DOLT	DUE-IN	I	RDD	P/ST	C/ST	EDD	QTY	D/O	DOC	NUMBER	JC	M
1650 869 8324	CYLINDER 6	XD2	EA	FHZ	CYA	00002	24	340235	752	3134	31340500		N1A				1	X285	PN	31340272	1A	P
1680 677 7864	LINK ASSY	XB3	EA	FPZ	CYA	00008	12	300802	752	3133	31310010		N1A	N		PA 141	1	X167	BD	31300496	1A	P
5841 133 9183	RECEIV 150	XD2	EA	FLZ	CYA	00008	72	341038	752	3134	31340274		E1B				1	X295	RA	31340263	1B	P
5930 565 5997	SWITCH FS1	XB3	EA	S9E	CYA	00010	24		752	3127	31270204		NJA			PD 217	1	X296	EL	31260206	JA	P
1560P0322314484	TUBE 3H500	XB3	EA	JBD	CYA	00010	14		752	3134	31340184		N1A				1	X285	PN	31330266	1A	P
1560L0253664484	GASKET 3F	XB3	EA	JBD	CYA	00165	11	346859	752	3134	31340273		E1B				1	X167	BK	31340291	1B	P
6685 560 9651	TRANSM TEM	XB3	EA	S9G	CYA	00173	23	231003	752	3123	31231217		NJA	BD		BB 207	1	X296	IN	31230473	JA	P
5930 565 5997	SWITCH FS1	XB3	EA	S9E	CYA	00207	24	201003	752	3120	31200250		NJA	BD		BV 189	1	X296	EL	31200376	JA	P
4710P0330339484	TUBE AY,3H	XB3	EA	JBD	CYA	00207	14	310227	752	3133	31310327		N1A			BA 165	1	X285	PN	31310257	1A	P
1660 021 5439	CONTROL3A9	XD2	EA	FHZ	CYA	00271	41	341034	752	3134	31340460		E1B				1	X285	EN	31340414	1B	P
1560 796 2662JH	TUBE ASSEM	XB3	EA	FLZ	CYA	00276	14	22C278	752	3122	31220557		N1A			BB 153	1	X285	RR	31220303	1A	P
1560 945 6950JH	DOORASY3E2	XF2	EA	FLZ	CYA	00276	12	272731	752	3128							1	X167	CC	31270605	1A	P
1560 076 4963JH											31299001		N1A			F 129	1					
1650 999 5350	SERVOCYL5C	XD2	EA	FHZ	CYA	00276	14	313810	752	3134	31340164		N1A				1	X285	PN	31310402	1A	P
6610 726 9397	ACCELEROME	XD2	EA	JCA	CYA	00276	51	310864	752	3134	31340165		N1A				1	X296	IN	31310429	1A	P
1630 910 6295	VALVE 3G9	XD2	EA	FGZ	CYA	00276	13	345663	752	3134	31349000		N1A				1	X285	PN	31340297	1A	P
1560 760 9362JH	DOOR CARGO	XD2	EA	FLZ	CYA	00623	11	300179	752	3133	NO DUE-IN						1	X285	RR	31300551	JA	1
5826 103 1454	RELEASE IN	XD2	EA	FLZ	CYA	00623	66	340209	752	3134	31340271		N1A				1	X295	RO	31340225	1A	P
3110 972 9339	CAM FOLLOW	XB3	EA	S9I	CYA	00647	11	232718	752	3123	31231206		N1A			BB 155	1	X285	RR	31230453	1A	P
3110 972 9339	CAM FOLLOW	XB3	EA	S9I	CYA	00647	11	28C918	752	3128	31280796		E1B	BD		BB 250	1	X285	RR	31280510	1B	P
3120ND085498LJH	BEARING,PL	XB3	EA	FLZ	CYA	00647	11	28C918	752	3129	31290249		E1B				1	X285	RR	31280513	1B	P
3120 431 6939														BG		BK 141	1					
1560 075 8896JH	LEADING ED	XD2	EA	FLZ	CYA	00647	11	296918	752	3129	31290369		E1B			BB 159	1	X167	DK	31290262	1B	P

ATTACHMENT A-18F

MAXWELL AFB — DUE-OUT VALIDATION LISTING (820/D18) — FB33A0 DATE — PAGE 1

SYSTEM DESIGNATOR 01 — SUPPLIES PART 1 — MATERIAL CONTROL/ORG 243 — SRD QLG

STOCK NUMBER	NOUN	ERC	UI	RID	SRD	SER NUMBER	WU	SUP AD	DD	DoLT	BC	TOTAL $ VALUE	TX	DM	QTY	D/O DoC	NUMBER	JC	M
4210PS-5052	T/036A12-8	XB3	EA	FLZ	QLG	53L07	29	B4704M	T08	3129	1	$1.50	M	R	1	X243GR	3128A051	BF	0
4210PS-5249	T/036A12-8	XB3	EA	FLZ	QLG	53L07	29	B4704M	T08	3129	1	$1.30	M	R	1	X243GR	3128A052	BF	0
4210PS-5247	T/036A12-8	XB3	EA	FLZ	QLG	53L07	29	B4704M	T08	3129	1	$1.20	M	R	1	X243GR	3128A053	BF	0
5330 843 3904	GASKET R34	XB3	EA	S9I	QLG	53L07	29	B4761M	T08	3130	9	$15.20	M	R	4	X243GR	3130A044	BF	0
5330 843 3904	GASKET R34	XB3	EA	S9I	QLG	54L02	65	B4760M	T08	3130	9	$15.20	M	R	4	X243GR	3130A045	BF	0
5930 771 2361	SWITCH PUS	XB3	EA	S9E	QLG	54L02	65	B4874M	T08	3137	9	$1.60	M	N	1	X243GR	3137A045	BF	0
5330 843 3904	GASKET R34	XB3	EA	S9I	QLG	54L03	57	B4759M	T08	3130	9	$15.20	M	R	4	X243GR	3130A046	BF	0
4730 540 0283	ELBOW PIPE	XB3	EA	S9C	QLG	54L03	57	F4801M	T08	3135	9	$3.30	M	R	1	X243GR	3135A052	BF	0
2805 306 5439	JACKET EXH	XB3	EA	FPZ	QLG	54L03	57	F4801M	T08	3135	1	$2.85	M	R	1	X243GR	3135A054	BF	0
6680 526 4661	INDICATOR	XB3	EA	S9G	QLG	54L57	8	B4624M	T08	3123	9	$15.00	M	R	1	X243GR	3123A048	BF	0
5330 843 3904	GASKET R34	XB3	EA	S9I	QLG	57L02	40	B4758M	T08	3130	9	$15.20	M	R	4	X243GR	3130A047	BF	0
2540 211 6273	VALVE CNTR	XB3	EA	S9C	QLG	57L24	04	B4735M	T08	3130	9	$7.40	M	R	1	X243GR	3130A023	BF	0

DOLLAR VALUE SUMMARY TOTALS

	MEMO	FIRM	TOTAL
INVESTMENT	$.00	$.00	$.00
EXPENSE	$.00	$94.95	$94.95
TOTAL	$.00	$94.95	$94.95

I CERTIFY THAT EACH DUE-OUT HAS BEEN REVIEWED WITH THE ULTIMATE USER AND THAT ALL ITEMS REMAINING ON THE LISTING ARE CONSIDERED A VALID REQUIREMENT FOR RETENTION ON BACK ORDER

SIGNED BY RESPONSIBLE OFFICAL ..... GRADE/RANK ..... SSAN ..... POSITION TITLE .....

MAXWELL AFB DUE-OUT VALIDATION LISTING (828/D18) F8338@ DATE PAGE 1

SYSTEM DESIGNATOR 81 SUPPLIES PART 2 WORK ORDER NUMBER A@@258

STOCK NUMBER	NOUN	ERC	UI	RID	FAC	INST	JOB#	SUP	AD	DD	DOLT	BC	TOTAL $ VALUE	TX	DM	QTY	D/O	DOC	NUMBER	JC	M
3@3@ 528 4596	BELT V	XB3	EA	S9C	@@585	PNQS		A@@258		CEH	3141	9	$4.2@	7	R	2	X9@@RF	3141@@12	AL	@	
4140P60-2857-01	BLADE FAN	XB3	EA	J8B	@@119	PNQS		A@@258		CEH	3143	9	$21.5@	M	R	2	X9@@RF	3141@@25	AL	@	

DOLLAR VALUE SUMMARY TOTALS

	MEMO	FIRM	TOTAL
INVESTMENT	$.@@	$.@@	$.@@
EXPENSE	$.@@	$25.7@	$25.7@
TOTAL	$.@@	$25.7@	$25.7@

I CERTIFY THAT EACH DUE-OUT HAS BEEN REVIEWED WITH THE ULTIMATE USER AND THAT ALL ITEMS REMAINING ON THE LISTING ARE CONSIDERED A VALID REQUIREMENT FOR RETENTION ON BACK ORDER

SIGNED BY RESPONSIBLE OFFICAL GRADE/RANK SSAN POSITION TITLE

ATTACHMENT A-18H

24-116D

MAXWELL AFB — DUE-OUT VALIDATION LISTING (820/D18) — FB3300 DATE — PAGE 1

SYSTEM DESIGNATOR 01 — SUPPLIES PART 3 — ACT/ORG/SHOP R118GK

STOCK NUMBER	NOUN	ERC	UI	RID	MARK FOR	SUP AD	DD	DOLT	BC	TOTAL $ VALUE	TX	DM	QTY	D/O	DOC	NUMBER	JC	M
3417WP30679005	WASH POST	XB3	EA	JBB		P02	3067		9	$10.92		I	2	R118GK		30610002	CS	0
1365 926 1914	CS-1 RIOT	XB3	LB	B54	LUDWICK	P02	3081		9	$166.80	7	R	40	R118GK		30810064	CK	0
6810 142 9849	T-3 TECHNI	XB3	BX	B54	LUDWICK	P02	3081		9	$13.00	7	R	1	R118GK		30810065	CK	0
7610WP31149005	WASH POST	XB3	EA	JBB		P02	3114		9	$34.12		I	1	R118GK		31140001	CS	0
7520WP31149007	WASH POST	XB3	EA	JBB		P02	3114		9	$5.77		I	1	R118GK		31140003	CS	0
1040PMODELX600	IMMOBILIZE	XB3	EA	JBB	LUDWICK	P02	3137		9	$221.00		N	26	R118GK		31370025	CZ	0
7520WP31429001	WASH POST	XB3	EA	JBB	LUDWICK	P02	3142		9	$3.50		I	1	R118GK		31420002	CS	0
7520WP31429004	WASH POST	XB3	EA	JBB	LUDWICK	P02	3142		9	$3.00		I	1	R118GK		31420003	CS	0
7520WP31429005	WASH POST	XB3	EA	JBB	LUDWICK	P02	3142		9	$2.50		I	1	R118GK		31420004	CS	0

DOLLAR VALUE SUMMARY TOTALS

	MEMO	FIRM	TOTAL
INVESTMENT	$.00	$.00	$.00
EXPENSE	$.00	$460.61	$460.61
TOTAL	$.00	$460.61	$460.61

I CERTIFY THAT EACH DUE-OUT HAS BEEN REVIEWED WITH THE ULTIMATE USER AND THAT ALL ITEMS REMAINING ON THE LISTING ARE CONSIDERED A VALID REQUIREMENT FOR RETENTION ON BACK ORDER

SIGNED BY RESPONSIBLE OFFICAL ..... GRADE/RANK ..... SSAN ..... POSITION TITLE .....

4-5G-25

MAXWELL AFB — DUE-OUT VALIDATION LISTING (828/D18) — FR33## DATE — PAGE 1

SYSTEM DESIGNATOR 81 — SUPPLIES PART 4 — MATERIAL CONTROL/ORG 316 SRD

STOCK NUMBER	NOUN	ERC	UI	RID	SRD	MARK FOR	SUP	AD	DD	DOLT	BC	TOTAL $ VALUE	TX	DM	QTY	D/O DOC	NUMBER	JC	M
5821 ## 1987	AMPLIFIER	XD2	EA	FLZ		R321CR31370838		M8#	3143			$452.##	M	R	1	X316Aw	3143#813	BR	#
5955 766 5812	CRYSTAL UN	XB3	EA	S9E		R321CR31370838		M8#	3143		9	$3.37	M	R	1	X316Aw	3143#812	BR	#
5955 763 5998	CRYSTAL UN	XB3	EA	S9E		R321CR31370838		M8#	3143		9	$2.##	M	R	1	X316Aw	3143#814	BR	#
5821 ## 1987	AMPLIFIER	XD2	EA	FLZ		X321CR30940815		M8#	3118			$452.##	M	R	1	X316Aw	3118#817	BR	#
5985 821 8787	RES 205-81	XB3	EA	S9E		X321CR31160853		M8#	3117		9	$3.##	M	R	1	X316Aw	3117#846	BR	#
5821 683 4118	AMPLIFIER	XD2	EA	FLZ		X321CR31340816		M8O	3141			$1,236.##	M	R	1	X316Aw	3141#817	BR	#
5918 886 1247	CAPACITOR	XB3	EA	S9E		X321CR31340816		M8#	3141		9	$1.5#	M	R	1	X316Aw	3141#816	BR	#

DOLLAR VALUE SUMMARY TOTALS

	MEMO	FIRM	TOTAL
INVESTMENT	$.##	$2,148.##	$2,148.##
EXPENSE	$.##	$9.9#	$9.9#
TOTAL	$.##	$2,149.9#	$2,149.9#

I CERTIFY THAT EACH DUE-OUT HAS BEEN REVIEWED WITH THE ULTIMATE USER AND THAT ALL ITEMS REMAINING ON THE LISTING ARE CONSIDERED A VALID REQUIREMENT FOR RETENTION ON BACK ORDER

SIGNED BY RESPONSIBLE OFFICAL ..... GRADE/RANK ..... SSAN ..... POSITION TITLE .....

ATTACHMENT A-23

NOT OPERATIONALLY READY SUPPLY (NORS)

START/STOP REPORT (RCS: HAF-LGS(AR)7113) (D23/854)

1. PURPOSE: A NORS summary is provided with legend by standard reporting designator within system designator of total cause code and delete code.

2. PROGRAM LOGIC:

a. This program scans the daily transaction history area selecting all NOR transaction histories.

b. The item record is read to obtain the minimum level, maximum level, demand level, and the SPC code. If the item record read is an interchangeable, the I&S group record is read to obtain the master stock number and the master item record is read to obtain the leveling data. The leveling data is stored in the selected transaction history. If the item record/master item record cannot be found, the phase CANNOT FIND ITEM REC or CANNOT FIND MAST I/R is stored in the nomenclature field. Reject 295 or 745 is also printed.

c. If the program select card contains an 11 zone punch in card column 67 and the transaction history advice code is unequal to T or U, an advice code of X is assigned.

d. The selected/modified transaction histories are written to the special sort area and are data sorted by program 226. The transactions are sorted in system designator, action indicator, document identifier, condition code, SRD, and serial number.

e. The sorted transaction histories are read, printed and NORS cards are punched with cc 1 and 2 blank if card column 66 of the program select card contains a 1 or 3 punch. Otherwise, NORS cards will not be produced.

f. Totals are accumulated by system designator for number of starts, stops, changes, incidents, transfers, and TEX Z transactions.

g. If the satellite is authorized a DCT 2000, the listing is printed on the DCT 2000 and the NORS cards are punched at the CSB.

3. REFERENCE:

a. Chapter 6, section K.
b. Volume I, part one, chapter 2.

4. REPORTING DATA:

a. As of Date: At the end of each work day (computer processing cycle).

b. Due Date - Not later than 1200 hours of the next workday.

5. INPUT:

PROGRAM SELECT CARD FORMAT

Card Col	Nr Pos	Field Designation	Remarks
1-3	3	Transaction Identification Code	RPT
4-6	3	Report Number & Frequency	D23
7-17	11	Title	NORS Report
18-65	48	Blank	
66	1	Card Output Option	Note 2
67	1	SEA Identification	Note 1
68-80	13	Blank	

NOTE 1: SEA bases will enter a 11 zone punch in cc 67.

NOTE 2: A one (1) in cc 66 will provide a deck of NORS analysis cards only. A two (2) in cc 66 will provide a deck of NORS Summary Cards (TRIC: 1RY). A three (3) in cc 66 will provide NORS analysis and summary cards.

6. OUTPUT:

a. Punch:

(1) Sequence:

NORS Analysis Cards: System designator/action indicator/document identifier/condition code/SRD/serial number.

NORS Summary Cards: System designator/SRD.

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ATTACHMENT A-23 CONTINUED

(2) Format - NORS Report Cards - See attachment A-23B.

b. Printer:

(1) Sequence - System designator/action indicator/document identifier/condition code/SRD/serial number.

(2) Number of Parts - Three

(3) Format - Refer to attachment A-23C. Following is further clarification of print format:

Print Format

Heading	Contents	Source
DIC	Document Identifier Code	Program Generated
AI	Action Indicator	Transaction History
R/I	Routing Identifier	Transaction History
Cond Code	Condition Code	Transaction History
Stock Number	Stock Number	Transaction History
MAX	Maximum Level	Special Level Detail
MIN	Minimum Level	Special Level Detail
Dmd Lvl	Demand Level	Item Record
Day	Day	Transaction History
Cause Code	Cause Code	Transaction History
SOS	Source of Supply	Transaction History
TEX	Transaction Exception Code	Transaction History
Due-In/Due-Out	Due-In/Due-Out	
Document Number	Document Number	Transaction History and Due-In Detail
HR	Hour	Transaction History
SRD	Standard Reporting Designator	Transaction History
ERRC	ERRC	Transaction History
Organization	Organization	Transaction History
Nomenclature	Nomenclature	Transaction History
CMD	Major Command	Transaction History
SPC	Stockage Priority Code Maintenance Priority for ERRC XD/XF	Item Record
Work Unit	Work Unit	Transaction History
Del Code	Deletion (termination) Code	Transaction History
B	Budget Code	Transaction History
C		
AV	Advice Code	Transaction History
CD		
Serial Number	Serial Number	Transaction History
Qty	Quantity	Transaction History
UJC	Urgency Justification Code	Transaction History
NSRD	New SRD	Transaction History

c. DCT 2000:

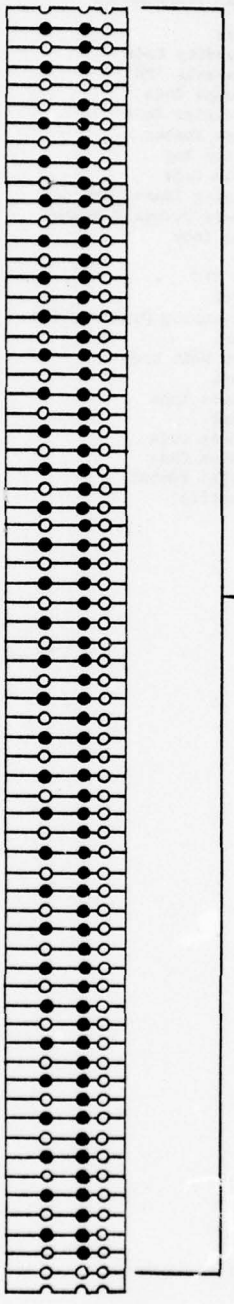
(1) Punch - Not used.

(2) Printer/Tape Loop - See attachment

(3) Format - Refer to paragraph b(3).

7. MANAGEMENT USES: Refer to chapter 6, section K.

ATTACHMENT A-23A



NOTE: Darkened Holes Indicate Where Punches are Required.

11 Inch Tape Loop

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ATTACHMENT A-23B

NORS REPORT CARD

Card Col	Nr Pos	Field Designation
1-2	2	Blank
3	1	Commodity Code
4-5	2	Constants 'FW'
6	1	Command Code
7	1	Condition Code
8-22	15	Stock Number
23-25	3	Action Day
26	1	Cause Code
27-29	3	Routing Identifier
30-43	14	Due-In Document Number
44	1	Hour Code
45-47	3	SRD
48-50	3	New SRD
51	1	Blank
52-59	8	Processing Organization
60-61	2	Blank
62-63	2	Work Unit Code
64-66	3	Blank
67	1	Delete Code
68	1	Blank
69	1	Budget Code
70	1	Advice Code
71-78	8	Serial Number
79-80	2	Quantity

08 JAN 75 EGLIN AF BASE NORS START/STOP REPORT RCS: HAF-LGS(AR)7113 <D23/854-84> 01 2823 DATE 5888 PAGE 4

DIC AI	R/I SD	C	STOCK NUMBER MAX	MIN	DMD	DAY LVL	CAUSE CODE	SOS TEX	DUE-IN/DUE-OUT DOCUMENT NUMBER	HR UJC	SRD ERRC	NSRD	ORGANIZATION NOMENCLATURE	CMD SPC	WORK UNIT	DFL CD	B C	AV CD	SERIAL NUMBER	QTY
B9M	FHZ	A	2945 00 782 7975PL		000	H		FHZ	FB2823 5000 0212	L	MDX		0033FDM7	0T	23		1	A	0E630763	1
B	01				9				X328 JE 4326 0208	JM	XB3		FILTER 20768							
B9M	FHZ	E	4720 00 887 2137		000	A		S9C	FB2823 5000 0223	L	MDW		3211FDM7	0H	23		9	A	0E418603	1
B	01				0				X207 ES 5000 0826	1M	XB3		HOSE 186C2987P1							
B9K	FGZ	A	1430 00 235 6325BF		000	H		FGZ	FB2823 5000 0014	J	FAL		0033AVN7	0T	74		A	S T	60000338	1
C	01				5				X432 FC 5000 0002	JB	XD2		LRUI 632R3736G1							
B9K	FGZ	F	1430 00 235 6325BF		000	H		FGZ	FB2823 5000 0014	J	FAL		0033AVN7	0T	74		S	U	60000338	1
C	01				5				X432 FC 5000 0002	JA	XD2		LRUI 632R3736G1							
B9K	FGZ	A	1430 00 183 4083BF		000	B		FGZ	FB2823 5000 0021	K	FAL		0033AVN7	0T	74		9	S Z	67000280	1
E	01				0					JB	XD2		PULSEUNIT628R845002							
B9K	FGZ	F	1430 00 174 7845BF		000	H		FGZ	FB2823 5000 0133	K	FAL		0033AVN7	0T	74		7	S W	WRM00000	1
I	01				8				X432 FC 5000 0006	JA	XD2		INDICATOR							

TOTAL START 49

TOTAL CHANGES 14

TOTAL INCIDENTS 06

TOTAL TRANSFERS

TOTAL STOP 34

ATTACHMENT A-23D

NORS SUMMARY CARD

Card Col	Nr Pos	Field Designation			Note
1-3	3	TRIC			1RY
4-5	2	System Designator			
6-8	3	SRD			SD Summary will contain 'ALL'
9-11	3	Cause Code	A	Summary	
12-14	3	"	B	"	
15-17	3	"	C	"	
18-20	3	"	D	"	
21-23	3	"	F	"	
24-26	3	"	G	"	
27-29	3	"	H	"	
30-32	3	"	J	"	
33-35	3	"	K	"	
36-38	3	"	R	"	
39-41	3	"	Y	"	
42-44	3	"	Z	"	
45-47	3	Delete Code	1	Summary	
48-50	3	"	2	"	
51-53	3	"	3	"	
54-56	3	"	4	"	
57-59	3	"	5	"	
60-62	3	"	6	"	
63-65	3	"	7	"	
66-68	3	"	8	"	
69-71	3	"	9	"	
72-74	3	"	0	"	
75-80	6	Blank			

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ATTACHMENT A-31

BASE MAINTENANCE COST SYSTEM TRANSACTION LIST AND PUNCHOUT (D31/983)

1. PURPOSE: To punch 1CS material transaction cards for issues or turn-ins generated by base maintenance cost centers. As cards are punched, a control list of cards is printed.

2. PROGRAM LOGIC: The program reads transaction history records for type organizational codes 7, 8, and 9 and creates 1CS cards for selected issues or turn-ins generated by base maintenance cost centers. The transaction history records are sorted by document number, organization code, and system designator. Prints an audit and control list of 1CS cards.

3. REFERENCE: AFM 177-206.

4. REPORTING DATA:

a. As of Date: Not applicable.

b. Frequency: Daily.

c. Due Date: Not applicable.

5. INPUT: Report Select Card.

Card Col	Nr Pos	Field Description	Remarks
1-3	3	Transaction Identification Code	RPT
4-6	3	Report Number	D31
7-80	74	Blank	

6. OUTPUT:

a. Punch Format: 1CS card. See AFM 177-206, chapter 8.

b. Printer:

(1) Format: Refer to attachment A-31A.

(2) Sequence: By document number, organization code, and system designator.

(3) Number of parts: Two.

7. SPECIAL INSTRUCTIONS: Program is not under sequence control but is a mandatory daily program at bases that have implemented the Base Maintenance Cost System on the B3500.

8. MANAGEMENT USES: Output cards are used as input to B3500 Base Maintenance Cost Accounting System.

24-161 Thru 24-163

16 OCT 74 ALT/NSN TEST FIL — BASE MAINTENANCE COST SYSTEM TRANSACTIONS (993/R4/D31) — P1 4288 DATE 4289 PAGE 5

DIC	STOCK NUMBER	QTY	UI	DOCUMENT NUMBER	SRD	DM CD	EEIC	BC	FIA	TCTO	NRTS	CMD CODE	WUC	TYPE ORG	RVP IND	SYS DES	EXTENDED COST
1CS	1d1d##d##d#018	0d001	EA	R223AC42810#65	LAA	R		A	664		1	8Y	FG	7		P1	$2,819.##-
1CS	12d##d1751#03	0d001	EA	R223AA42810#66	LAA	R	609	9	33#			8Y	FG	7		P1	$3.7#
1CS	1d1d##d##d#018	0d001	EA	R223AC42810#66	LAA	R		A	664		1	8Y	FG	7		P1	$2,819.##-
1CS	12d##d1751#03	0d001	EA	R223AA42810#67	LAA	R	609	9	33#			8Y	FG	7		P1	$3.7#
1CS	1d1d##d##d#018	0d001	EA	R223AC42810#67	LAA	R		A	664		1	8Y	FG	7		P1	$2,819.##-
1CS	12d##d1751#03	0d001	EA	R223AA42810#68	LAA	R	609	9	33#			8Y	FG	7		P1	$3.7#
1CS	1d1d##d##d#018	0d001	EA	R223AC42810#68	LAA	R		A	664		1	8Y	FG	7		P1	$2,819.##-
1CS	12d##d1751#03	0d001	EA	R223AA42810#69	LAB	R	609	9	33#			8Y	AA	7		P1	$3.7#
1CS	1d1d##d##d#018	0d001	EA	R223AC42810#69	LAB	R		A	664		1	8Y	AA	7		P1	$2,819.##-
1CS	12d##d1751#03	0d001	EA	R223AA42810#70	LAB	R	609	9	33#			8Y	AA	7		P1	$3.7#
1CS	1d1d##d##d#018	0d001	EA	R223AC42810#70	LAB	R		A	664		1	8Y	AA	7		P1	$2,819.##-
1CS	12d##d1751#03	0d001	EA	X223AA42810#71	LAC	R	609	9	33#			8Y	BD	7		P1	$3.7#
1CS	12d##d1751#03	0d001	EA	X223AA42810#72	LAD	R	609	9	33#			8Y	UY	7		P1	$3.7#
														TOTAL DOLLAR AMT THIS ORGANIZATION			$12,139.4#-
														TOTAL CARDS FOR THIS ORGANIZATION			20
1CS	99			Z224WI4280#004			608	8	33#			8C		9		P1	$1#.8#
1CS	51			B224WI4280#005			609	9	33#			8C		9		P1	$1#.8#
1CS	291d3#d##1#18	0d001	EA	P224LS42803#13					681			8C		9		P1	$1#.8#-
1CS	291d##d##1#18	0d001	EA	P224LS42804#14					691			8C		9		P1	$1#.8#-
1CS	291d##d##1#18	0d001	EA	P224LS42805#15					581			8C		9		P1	$1#.8#-
1CS	12d##d1751#03	0d001	EA	X224AA42810#20	FYA	R	609	9	33#			8A	W1	9		P1	$3.7#
1CS	1d1d##d##d#18	0d001	EA	X224AC42810#20	FYA	R		A	664		1	8A	W1	9		P1	$2,819.##-
1CS	12d##d1761#03	0d001	EA	X224AA42810#21	FYA	R	609	9	33#			8C	W1	9		P1	$3.7#
1CS	1d1d##d##d#18	0d001	EA	X224AC42810#21	FYA	R		A	664		1	8C	W1	9		P1	$2,819.##-
1CS	12d##d1751#03	0d001	EA	X224AA42810#43	MDQ	R	609	9	33#			8C	23	9		P1	$3.7#
1CS	1d13##d##d#18	0d001	EA	X224AC42810#43	MDQ	R		A	664		1	8C	23	9		P1	$2,819.#3-
1CS	12d##d1761#03	0d001	EA	X224AA42810#44	MDQ	R	609	9	33#			8C	23	9		P1	$3.7#
1CS	1d1d##d##d#18	0d001	EA	X224AC42810#44	MDQ	R		A	664		1	8C	23	9		P1	$2,819.##-
1CS	12d##d1751#03	0d001	EA	R224AA42810#61	NDY	R	609	9	33#			8C	AA	9		P1	$3.7#
1CS	1d1d##d##d#18	0d001	EA	R224AC42810#61	NDY	R		A	664		1	8C	AA	9		P1	$2,819.##-
1CS	12d##d1751#03	0d001	EA	R224AA42810#62	NYR	R	609	9	33#			8C	AC	9		P1	$3.7#
1CS	1d1d##d##d#18	0d001	EA	R224AC42810#62	NYR	R		A	664		1	8C	AC	9		P1	$2,819.##-
1CS	12d##d1761#03	0d001	EA	R224AA42810#63	NAG	R	609	9	33#			8C	AG	9		P1	$3.7#
1CS	1d1d##d##d#18	0d001	EA	R224AC42810#63	NAG	R		A	664		1	8C	AG	9		P1	$2,819.##-
1CS	12d##d1761#03	0d001	EA	R224AA42810#64	NAG	R	609	9	33#			8C	AL	9		P1	$3.7#
1CS	1d1d##d##d#18	0d001	EA	R224AC42810#64	NAG	R		A	664		1	8C	AL	9		P1	$2,819.##-
														TOTAL DOLLAR AMT THIS ORGANIZATION			$16,132.4#-
														TOTAL CARDS FOR THIS ORGANIZATION			21
														TOTAL CARDS FOR THIS SYSTEM DESIGNATOR			212

ATTACHMENT B-24

ORGANIZATION EFFECTIVENESS REPORT (M24/863)

1. PURPOSE: Produces the organization effectiveness report and prints indicative data from the organization records as required.

2. MANAGEMENT USES: The indicative data portion of the report provides the support record unit a list that can be maintained to reflect the current data on each organization. The supply effectiveness portion of the report provides a management product to monitor the issue and bench stock support effectness for each organization supported.

3. PROGRAM LOGIC: This program reads each organization record and prints the supply effectiveness on the indicative data report as required by options in the select card.

a. Supply effectiveness uses totals accumulated by program 804/D04 to compute the issue effectiveness portion of this report.

b. The program scans the detail area and selects all bench stock due-out details and computes the bench stock effectiveness portion of this report.

c. The program blanks sector positions 156-167 of the fourth sector of each organization record when the EOM option 11 zone punch in cc 65 is used.

d. Effectiveness:

(1) Issue effectiveness is divided into three categories:

(a) Line item effectiveness - total issues divided by total requests.

(b) Customer support effectiveness - total due-out releases on time divided by total due-out releases.

(c) Stockage effectiveness - total issues divided by total requests minus due-outs not authorized stock (TTPC 4W).

(2) Bench stock effectiveness is divided into two categories:

(a) Bench stock backorder rate - bench stock due-outs divided by line items authorized bench stock.

(b) Delayed due-out rate - delayed due-outs divided by line items authorized bench stock.

e. Indicative Data: Program prints current data from the first sector of the organization record when the indicative data option 11 zone punch in cc 69 is used.

4. REFERENCE: Chapters 4, 17, and 24.

5. REPORTING DATA: Not applicable.

6. INPUT:

a. Program Select Card

Card Col	Nr Pos	Field Designation	Remarks
1-3	3	Transaction Identification	RPT
4-6	3	Report Number and Frequency	M24
7-27	21	Title	Org Effectiveness Rpt
28-64	37	Blank	RPT
65	1	Blank or 11 Zone Punch	Note 1
66	1	Blank	
67	1	Blank or 11 zone	Note 2
68	1	Blank	
69	1	Blank or 11 zone	Note 3
70-80	11	Blank	

NOTE 1: An 11 zone in cc 65 will blank counters on the organization record and update the SMO/EMO records. This option should only be used during EOM processing. When cc 65 contains an 11 zone card, column 67 must contain an 11 zone or a 558 reject will occur.

NOTE 2: An 11 zone in cc 67 will print the supply effectiveness portion of the report.

NOTE 3: An 11 zone in cc 69 will print the indicative data portion of the report.

7. OUTPUT:

a. Punch: Not used.

b. Printer:

(1) FORMAT - Refer to Attachment B-24A. Organizations with zero totals (supply effectiveness) will be printed at the end of the report. Four copies of the zero total organizations will be forwarded to M&P for use and reference as required.

(2) SEQUENCE - System designator/organization code.

(3) NUMBER OF PARTS - Four. (Number of parts required when indicative data option is used will be determined locally).

c. DCT 2000:

(1) PUNCH - Not used.

(2) PRINTER/TAPE LOOP - Standard.

(3) FORMAT - Refer to Printer.

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ATTACHMENT B24A

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INDICATIVE DATA

MC CD	SAT SCAN	T O	ORGANIZATION ID CODE	D B	E I	PARCEL POST FREIGHT ADDRESS	F D	DEL DES	EMO LOC	GS RC	MSS 1	MSS 2	MSS 3	BE AC	MSS 1	MSS 2	MSS 3	C A	K AC	MSS 1	MSS 2	MSS 3	P AC	MSS 1	MSS 2	MSS 3	SRAN DPDO	S P	ORG CODE
BQ	RESEAR		0007100000000		1		1	121		5	0	1						2	5	U	8	9	8	0	0	1	A	FR4289		001
BQ	WHM MO		0007100000000				1	121		5	0	1						2	5	U	8	9	8	0	0	1	A	0		002
BQ	INVENT		0007100000000				1	121		5	0	1						2	5	U	8	9	8	0	0	1	A	0		003
BQ	INSPEC		0007100000000				1	121		5	0	1						2	5	U	8	9	8	0	0	1	A	0		004
BQ	SUPPLY		0007100000000				1	121		5	0	1						2	5	U	8	9	8	0	0	1	A	0		005
BQ	TCTO K		0007100000000				1	121		5	0	1						2	5	U	8	9	8	0	0	1	A	0		006
BQ	STOCK		0007100000000				2	AIA		5	0	1						2	5	U	8	9	8	0	0	1	A	0		007
BQ	MATERI		0007100000000				2	AIA		5	0	1						2	5	U	8	9	8	0	0	1	A	0		008
BR	SEA GI		0008268000000	X			2	ANY		5	0	1						2	5	U	8	9	8	0	0	1	A	0		009
BQ	SELF S		0007100000000				2	AIA		5	0	1						2	5	U	8	9	8	0	0	1	A	0		010
BQ	CLOTHI		0007100000000			LACKLAND AFB, TEXAS	2	AIA		5	0	1						2	5	U	8	9	8	0	0	1	A	0		012
BQ	SAT CL		0007100000000			BOLLING AFB, D.C.	2	AIA		5	0	1						2	5	U	8	9	8	0	A	1	A	0		013
BQ	SAT CL		0007100000000			BOLLING AFB, D.C.	2	AIA		5	0	1						2	5	U	8	9	8	0	A	1	A	0		014
BQ	SAT CL		0007100000000			BOLLING AFB, D.C.	2	AIA		5	0	1						2	5	U	8	9	8	0	A	1	A	0		015
BQ	SAT CL		0007100000000			BOLLING AFB, D.C.	2	AIA		5	0	1						2	5	U	8	9	8	0	A	1	A	0		016
BQ	SAT CL		0007100000000			BOLLING AFB, D.C.	2	AIA		5	0	1						2	5	U	8	9	8	0	A	1	A	0		017
BQ	SAT CL		0007100000000			BOLLING AFB, D.C.	2	AIA		5	0	1						2	5	U	8	9	8	0	A	1	A	0		018
BQ	SAT CL		0007100000000			BOLLING AFB, D.C.	2	AIA		5	0	1						2	5	U	8	9	8	0	A	1	A	0		019
BQ	BEMO A		0007100000000				2	134		5	0	1						2	5	U	8	9	8	0	0	1	A	0		020
BQ	INDIVI		0007100000000				1	145		5	0	1						2	5	U	8	9	8	0	0	1	A	0		021
BQ	TOOL K		0007567890112				1	134		5	0	1						2	5	0	8	9	8	0	0	1	A	0		022
0P	FU4621		0008222300000	X	1	COLORADO SPRINGS COLO	2	CRC		C	5	5	K	2	5	5	5	2	2	2	2	2	2	2	2	FR4222	4	041
0P	FU4622		0008222300000	X	1	PUEBLO COLORADO	2	CRC		C	5	5	K	2	5	5	5	2	2	2	2	2	2	2	2	FR7222	4	042

ATTACHMENT B24B

07 DEC 74 GUNTER,AFS — ORGANIZATION EFFECTIVNESS REPORT (M24/863-72) — #1 4208 DATE 4341 PAGE 1

ISSUE/SUPPORT EFFECTIVENESS

ORGANIZATION 188 WILBUR OWN S/D #1

LINE ITEMS REQUESTED	LINE ITEMS ISSUED	L/I BACK ORDERED	% EFF ISU DIVIDED BY TOTAL REQS	DUE OUT RELEASE ON TIME	TOTAL DUE OUT RELEASE	% SUPPORT DOR O/T BY TOTAL DOR	DUE OUTS CANCELLED	% EFF ISU DIV BY REQ-4W O/O
0	0	0	0.00%	0	0	0.00%	0	0.00%

BENCH STOCK/SUPPORT EFFECTIVENESS

LINE ITEMS AUTHORIZED BENCH STOCK	BENCH STOCK DUE OUTS	BENCH STOCK BACK ORDER RATE	B/S DUE OUTS OVER 14 DAYS	DELAYED DUE-OUT RATE
195	0	0.00%	0	0.00%

INDICATIVE DATA

MC CD	C C	T O	ORGANIZATION ID CODE	O B	E I	PARCEL POST FREIGHT ADDRESS	F D	DEL DES	EMO LOC	SD	M M A	A D P	R I	LINE ITMS AUTH	B/S	ORG CODE
00	0		0417XXG11000				2	2A2		01		A		0195		188

4-5G-37/4-5G-38

24-252A

AMENDMENT 62

AFM 67-1, Vol II, Part Two, 1 Apr 73

ATTACHMENT C-4

REPAIR CYCLE DATA LIST (004/819)

1. PURPOSE:

a. This program provides the maintenance activities with a product reflecting reparable returns with action taken codes for each repair cycle item. This data is utilized for reviewing the base-in-house repair capability program. Also provides the Research Section with a listing of repair cycle records, with indicative codes contained in each record for file and record maintenance.

b. To realign repair cycle and stock control data at the end of each calendar quarter.

2. MANAGEMENT USES:

a. The repair cycle data listing complements the DIFM listing for scheduling of repair cycle assets, and determining base in-house repair capability and enhances DIFM control of critical items.

b. The maintenance scheduler utilizes this listing for the movement of DIFM assets. The number of units repaired, NRTS, and condemned for the past year, coupled with the current quarter turn-ins by maintenance action taken codes, are used in determining flow of reparable items. Potential problem areas can be identified based on trends revealed by this listing.

c. Establishment of the in-house repair capability can be determined by the maintenance action taken codes used for each repair cycle item during the past year.

d. DIFM control is enhanced by screening the stock number against the DIFM list and against the repair cycle data listing to determine previous maintenance action taken, and to schedule repair/evacuation of the arset as required.

e. This listing is used by research to complete repair cycle record data elements, i.e., RPC responsible for repair, specialized repair activity, etc. Materiel Control, SMO, and Maintenance Support Section use this report for establishing the base repair capability, and the processing and scheduling of DIFM assets.

3. PROGRAM LOGIC:

a. The program select card is edited for validity and prints the input image on the console typewriter. If the program select card is in error, reject 503 will be printed on the console and the program will be terminated.

b. The normal monthly run (cc 34 blank) will read 16 sectors of repair cycle records and compare the stock number field of each record for blank. If the stock number field is blank, the next record is read and tested. If the stock number field is not blank, the remainder of the record is tested for zeros. Sort keys are built on records which are not zero (active records). After sort, each repair cycle record is read, the current quarter repaired field is divided into the current quarter net repair cycle days. Subsequently, the repaired field for all quarters (excluding nonrecurring) is divided into the net repair cycle days for all quarters. The result is the average repair cycle days. Only two overall totals are printed by system designator or type account code.

(1) Number units turned in action code.

(2) Total number of active records printed.

c. Quarterly the program will be processed with an 11 zone punch in cc 34 to provide the normal monthly output plus accomplish the following:

(1) Zero the maintenance action taken code on the repair cycle record.

(2) Shift the quarter data; repaired, condemned, NRTS and repair cycle days, to the next quarter; i.e., third quarter data is moved to fourth quarter, second to third, etc., on the repair cycle record.

(3) Zero all current quarter data on the repair cycle record.

(4) Update stock control data on the item record.

(a) Accumulates reparable generations (excluding nonrecurring) from the repair cycle record and stores this data in the item record cumulative recurring demands.

(b) Update DOFD and DOLD as follows:

1. If reparable generations equal zero, blank the DOFD.

2. If reparable generations are greater than zero and:

a. DOFD is blank, update the DOFD to equal the first day of the oldest quarter that reflects reparable generations.

b. DOLD is blank, change to equal the last day of the most recent quarter that reflects reparable generations.

(c) Number of demands:

1. Store the sum of third and fourth quarters reparable generations (MAX 9) in sector position 123 - number of demands - 2nd PAST SIX MONTH PERIOD.

2. Store the sum of first and second past quarters reparable generations (MAX 9) in sector position 122 - number of demands - 1st PAST SIX MONTH PERIOD.

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ATTACHMENT C-4 CONTINUED

3. Store zero in sector position 121 - number of demands - CURRENT REPORTING PERIOD.

(d) If the DOED is greater than one year past, enter KDDYR - 365.

4. REFERENCE: Chapters 11 and 22.

5. REPORTING DATA: Not applicable.

6. INPUT:

Report Select Card:

Card Col	Nr Pos	Field Designation	Remarks
1-3	3	TRIC	RPT
4-6	3	Rpt Nr	Q04
7-28	22	Title	Repair Cycle Data List
29-31	3	Blank	
32	1	Exception RC Day List	11 Zone or Blank (Note 1)
33	1	Blank	
34	1	Quarterly Update Option	11 Zone or Blank (Note 2)
35-80	46	Blank	

NOTE 1: Enter an 11 zone punch in cc 32 to provide an additional listing, exception repair cycle day list. This listing includes all repair cycle records which have an average repair cycle days, current quarter, of:

a. ERRC XD1 - Greater than 4 days.

b. Other - Greater than 10 days.

NOTE 2: An 11 zone punch in cc 34 will zero the maintenance action taken code on the repair cycle record, reset repair cycle data and update stock control data on the item record for all repair cycle items. During the months of March, June, September, and December, this selection must be used and the current date must be within a 5-day variance of the following days: 090, 181, 273, and 365. If cc 34 contains an 11 zone punch, the item and repair cycle records must be dumped to tape prior to running Q04 and again after the report is finished. At dual system bases, this program will be run on the primary only. Program 801 will reject input of RPT EON 'End of Night', if the quarterly option was not processed by the last day of the stated time variance.

7. OUTPUT:

a. Punch - Not used.

b. Printer:

(1) Number of parts - Four.

(2) Sequence - System designator, type account code, stock number.

(3) Format - See attachment B-4A. Following is further clarification of print format:

HEADINGS	CONTENTS
RTS	Number of Reparable Generations Repaired
CON	Number of Reparable Generations Condemned
NRT	Number of Reparable Generations Not Repaired (NRTS)
NDAY	Net Repair Cycle Days
+IR	Total Increases to Item Record
-IR	Total Decreases to Item Record
NRTS	Nr of Reparable Generations Repaired Nonrecurring
NCON	Nr of Reparable Generations Condemned Nonrecurring
NNRT	Nr of Reparable Generations Not Repaired Nonrecurring
DAY	Average Repair Cycle Days
SHP PRI	Priority Designator (For Unserviceable Shipment)
PRO NBR	Project Number
EXC DAY	Exception Repair Cycle Days
BR %	Average Percent of Base Repair
CRITEM	Critem Phrase printed if Item Record has Reporting Code of 2 or 7 (Critical Item)
DISP CODE	Reparable Destination/Disposition Code
ORG	Organization Code Designated Base Repair Activity
SH	Shop Code Designated Base Repair Activity
ALP	All Other Alpha Action Codes
NUM	All Other Numeric Action Codes

c. DCT 2000:

(1) Printer - Same format.

(2) Punch - Not used.

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ATTACHMENT C-4 CONTINUED

8. SPECIAL INSTRUCTIONS:

a. Date of last quarterly run will be written to log tape prior to end of job. Since log tape of item record and repair cycle record update is not created, the following actions must be accomplished if cc 34 contains an 11 zone punch:

(1) The item and repair cycle record area must be dumped to tape prior to running the Q04 report.

(2) Run Q04; program will type a R056 MGT notice on the console and halt with a jump display 044444. If action in (1) was accomplished, depress START-START to continue processing. If not, depress START-M-START, and the program will terminate with a 503 reject.

(3) Just prior to end of job, the program will type an R058 MGT notice on the console. Item and repair cycle record areas must be dumped to tape.

(4) At dual system bases, this program will be run on the primary system only. The updated file dump (taken after R058 MGT notice) of the item and repair cycle areas will be loaded to update the secondary system.

b. The following restart procedures apply:

(1) If the program is to be restarted prior to the R057 MGT notice being typed on the console, normal restart procedures apply.

(2) After the R057 MGT notice has been typed, normal restart procedures are not to be followed. Dump of the item and repair cycle record areas (action paragraph a(1)) must be reloaded using utility program 031. Program may then be reprocessed with an 11 zone punch in cc 34 of the select card.

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ATTACHMENT C-4A

31 DEC 73 ALT/NSN TEST FIL EXCEPTIONAL REPAIR CYCLE DATA LIST (004/819-25) T/A B 81 4288 DATE 3365 PAGE 2

STOCK NUMBER	CURRENT QUARTER DATA RTS	CON	NRT	NDAY	*IR	=IR	NRTS	NCON	NNRT	DAY	5 QUARTER TOTALS RTS	CON	NRT	DAY	SHP PRI	MARK FOR	PRO NBR	EXC DAY	BR %	DISP CODE	ERC	CRITEM
2910 00 185 5857	27	0	0	298	0	0	0	0	0	11	89	1	0	11	2228*						RPT	XD1
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH	A	B	C	D	FG	JKL	ALP	1	4	7	NUM						
TOTAL CURRENT QUARTER				374	MC	0	0	0	0	0	0	0	0	0	0	0						
5305 00 850 9511	1	0	3	18	0	0	0	0	0	18	1	0	3	18	86 2229*						RPT	XF3
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH	A	B	C	D	FG	JKL	ALP	1	4	7	NUM						
TOTAL CURRENT QUARTER				374	MC	0	0	0	0	0	0	0	0	0	0	0						
5305 00 850 9512	1	1	0	16	0	0	0	0	0	16	1	1	0	16	2229*						RPT	XF3
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH	A	B	C	D	FG	JKL	ALP	1	4	7	NUM						
TOTAL CURRENT QUARTER				374	MC	0	0	0	0	0	0	0	0	0	0	0						
5305 00 850 9541	1	0	0	14	0	0	0	0	0	14	4	0	0	11	86 2339*						RPT	XF3
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH	A	B	C	D	FG	JKL	ALP	1	4	7	NUM						
TOTAL CURRENT QUARTER				374	MC	0	0	0	0	0	0	0	0	0	0	0						
6110 00 000 0000	4	2	10	40	0	0	0	0	0	10	4	2	12	10								XD1
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH	A	B	C	D	FG	JKL	ALP	1	4	7	NUM						
TOTAL CURRENT QUARTER				374	MC	1	0	1	2	0	0	0	1	1	4	6						
6710 00 200 5164	1	0	0	15	0	0	0	0	0	15	9	0	1	6					00	018	XD2	CRITEM
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH	A	B	C	D	FG	JKL	ALP	1	4	7	NUM						
TOTAL CURRENT QUARTER				374	RI	0	0	0	0	0	0	0	1	0	0	0						
NUMBER UNITS TURNED IN ACTION CODE						A	B	C	D	FG	JKL	ALP	1	4	7	NUM						
ACTIVE RCD 14						2	1	2	4	0	0	0	5	4	11	15						

ATTACHMENT C-4A CONTINUED

31 DEC 73 ALT/NSN TEST FIL — REPAIR CYCLE DATA LIST (Q04/819-25) — T/A B #1 4288 DATE 3365 PAGE 38

STOCK NUMBER	CURRENT QUARTER DATA RTS	CON	NRT	NDAY	+IR	-IR	NRTS	NCON	NNRT	DAY	5 QUARTER TOTALS RTS	CON	NRT	DAY	SHP PRI	MARK FOR	PRO NBR	EXC DAY	BR %	DISP CODE	ERC	CRITEM
6710 #8 101 5168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*4203					RPT	XF3	
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH		A	B	C	D	FG	JKL	ALP	1	4	7	NUM					
TOTAL CURRENT QUARTER							0	0	0	0	0	0	0	0	0	0	0					
6710 #8 118 5159	0	0	0	0	4	0	0	0	0	0	0	0	1	0	86						XF3	
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH		A	B	C	D	FG	JKL	ALP	1	4	7	NUM					
TOTAL CURRENT QUARTER							0	0	0	0	3	0	0	0	0	0	0					
6710 #8 280 5164	1	0	0	15	0	0	0	0	0	15	9	0	1	6				88	818	XD2	CRITEM	
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH		A	B	C	D	FG	JKL	ALP	1	4	7	NUM					
TOTAL CURRENT QUARTER				374	R1		0	0	0	0	0	0	0	1	0	0	0					
6710 #8 281 5159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*4203					RPT	XF3	
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH		A	B	C	D	FG	JKL	ALP	1	4	7	NUM					
TOTAL CURRENT QUARTER							0	0	0	0	0	0	0	0	0	0	0					
6710 #8 281 5164	0	0	0	9	0	0	0	0	0	0	0	0	0	0	*4203					RPT	XD2	CRITEM
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH		A	B	C	D	FG	JKL	ALP	1	4	7	NUM					
TOTAL CURRENT QUARTER							0	0	0	0	0	0	0	0	0	0	0					
6710 #8 282 5159	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1281*					RPT	XF3	
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH		A	B	C	D	FG	JKL	ALP	1	4	7	NUM					
TOTAL CURRENT QUARTER				374	MC		0	0	0	0	0	0	0	0	0	0	0					
6710 #8 283 5159	0	0	0	0	0	0	0	0	0	0	28	7	0	52				71			XF3	
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH		A	B	C	D	FG	JKL	ALP	1	4	7	NUM					
TOTAL CURRENT QUARTER				243	TS		0	0	0	0	0	0	0	0	0	0	0					
6710 #8 285 5159	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2259*					RPT	XF3	
NUMBER UNITS TURNED IN ACTION CODE				ORG	SH		A	B	C	D	FG	JKL	ALP	1	4	7	NUM					
TOTAL CURRENT QUARTER				374	MC		0	0	0	0	0	0	0	0	0	0	0					

ATTACHMENT C-14

SRD DUE-OUT SUMMARY (Q14/878)

1. PURPOSE: To provide management at all levels the option of selecting due-out analytical data pertaining to each weapon system assigned. Also updates SMD/EMD records with pertinent data for specific SRDs identified by HQ USAF and requiring special management and reporting actions.

2. MANAGEMENT USES:

a. No comprehensive formula, involving multiple factors such as fill rate, AWP, RCT or NORS rates, exists to determine true support capability or problem identification. This program portrays due-out days by weapon system, expressing nonsupport, which should receive management attention. Further, this technique precludes hiding the nonsupport which is inherent in the NORS system as only reportable NORS are included in the NORS rate.

b. Stratifying due-out data by routing identifier, cause code, and budget code may allow managers to detect adverse trends affecting logistics support to a specific weapon system, particularly if these data are compared among bases over a period of time. Detailed analysis can then be accomplished with such programs as the R31 and D18.

c. It is anticipated that the technique employed in this program, when used in conjunction with Weapon System NORS rates over a period of time, will reflect a true logistics support capability.

d. This program provides the following two options to management: select and printout of due-out data for any or all SRDs applicable to the base; select, printout and update SMD/EMD records for those due-outs applicable to the SRDs listed in attachment C-14A.

3. PROGRAM LOGIC:

a. This program scans the record area selecting all due-out details and item records matching the criteria specified in the program select card and parameter card(s).

b. A maximum of 55 SRD selections (eight parameter cards) will be input. All fields must be used before using additional cards, and a STOP card must follow the last parameter card.

c. The program select card is edited to determine the option(s) requested. When cc 67 contains an X (11 zone) punch the SMD/EMD record area reserved for SRD data accumulation is read. This area is blanked and subsequently updated with accumulated data. When this option is requested only the SRDs listed in attachment C-14A can be used. In conjunction with cc 67, cc 68 is checked to determine if output print is to be suppressed. The print suppress option is used only in conjunction with cc 67. Please note that if none of the SRDs listed in attachment C-14A are applicable cc 67 and 68 must be blank and the program processed only on an as required basis.

d. Due-out detail records are edited for cause code A, B, C, D, F, G, H, J, K, R or Z and activity code other than E and P: Fad code zone bits are stripped and the priority group determined. Also, the due-out days is computed and saved in the sort key. When the due-out document number date is greater than the computer date (KDDYR) zeroes are used for the days due-out.

e. Sort key data and sequence are as follows:

System Designator (SD)
Standard Reporting Designator (SRD)
Routing Identifier (RI)
Cause Code (CC)
Budget Code (BC)
Total Due-Out Days (TDOD)
Priority Group (PG)

f. Post sort decisions and actions are based on the options requested (cc 67 and 68). When cc 67 and 68 are blank, or when cc 67 contains an X (11 zone) punch and cc 68 is blank output print data is accumulated. Each SRD is looked at individually and the average due-outs and days due-out (per SRD) are computed. These computations are identified for the following categories:

Budget Code; Investment, System Support and General Support.
Routing Identifier; FFZ, FGZ, FHZ, FLZ, FPZ, DSA, Other.
Cause Code; A, B, C, D, F, G, H, J, K, R, Z.
Priority Group; 1, 2, 3.

The oldest due-out is determined and further identified with the priority group.

g. When cc 67 contains an X (11 zone) punch the SMD/EMD record area reserved for SRD data accumulation is read and blanked. Extreme caution must be exercised with this option because it blanks SRD accumulated data. The total due-outs and due-out days are written for each SRD and the record saved for subsequent SMD/EMD reporting.

4. REPORTING DATA:

As of Date - As Required (cc 67 blank), Quarterly (X (11 zone) punch in cc 67) if any of the SRDs listed in attachment C-14A are applicable.

5. INPUT:

a. Program Select Card:

ATTACHMENT C-14 CONTINUED

Card Col	Nr Pos	Field Designation	Remarks
1-3	3	Transaction Identification Code	RPT
4-6	3	Report Number	Q14
7-25	19	Report Title (SRD Due-Out Summary)	
26-29	4	Blank	
30-31	2	System Designator	Note 1
32-66	35	Blank	
67	1	SMO/EMO Update Option	Note 2
68	1	Print Suppress Option	Note 3
69-80	12	Blank	

NOTE 1: When the SRD being selected is loaded in more than one system designator, the individual system designator must be entered in cc 30-31 and the program processed the number of times required to satisfy all system designators. However, if the SRD is applicable to only one system designator then cc 30-31 may be blank for the "all" system designator option or contain the system designator for a single selection.

NOTE 2: When the SRDs listed in attachment C-14A are applicable and the option to update the SMO/EMO SRD record area is required, cc 67 must contain an X (11 zone) punch. Do not run this option except when the listed SRDs are applicable and the SMO/EMO area is to be updated. Leave blank for all other options.

NOTE 3: Enter an X (11 zone) punch in cc 68 when the printed output product is not required. This option is only applicable when cc 67 contains an X (11 zone) punch.

b. Parameter card:

Card Col	Nr Pos	Field Designation	Remarks
1-3	3	Transaction Identification Code	1LE
4-6	3	Standard Reporting Designator (SRD)	Note 1
7-9	3	Number of SRD on Base	Note 1
10-14	5	Type SRD (F111A, B52)	Notes 1 & 2
15-25	11	Same as 4-14	
26-36	11	Same as 4-14	
37-47	11	Same as 4-14	
48-58	11	Same as 4-14	
59-69	11	Same as 4-14	
70-80	11	Same as 4-14	

NOTE 1: The following example may assist you: If the SRD for the weapon system F111A is FZA and the number of F111s at your base is 20, then cc 4-6=FZA, 7-9=020, 10-14=F111A.

NOTE 2: Each parameter card must be completely prepared before using subsequent cards. A maximum of eight parameter cards (55 SRD options) may be used. A STOP card must follow last parameter card.

6. OUTPUT:

a. Punch - not used.

b. Printer:

(1) Format - refer to attachment C-14B.

(2) Sequence - SRD within SD.

c. DCT 2000 - same as printer.

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ATTACHMENT C-14A

SRD LIST

AFF	A0007D	CYA	C141A
ANA	A0037A	FAE	F0004C
ANG	A0037B	FAF	RF0004C
BVF	B0052C	FAJ	F0004D
BVH	B0052D	FAL	F0004E
BVK	B0052E	FBK	F0005E
BVN	B0052F	FBL	F0015A
BVQ	B0052G	FBM	TF015A
BVR	B0052H	FTM	F1000D
BZC	FB111A	FUF	F1001B
CBA	C0005A	FVA	F1002A
CTA	C130A	FXD	F1005D
CTB	AC130A	FXK	F1005G
CTE	RC130A	FYA	F1006A
CTG	C130B	FYG	F1006B
CTM	C130E	FZA	F111A
CTR	WC130E	FZH	F111D
CTS	C130H	FZN	F111E
CTT	HC130H	FZR	F111F
CTV	HC130N	HAF	TH0001F
CTW	HC130P	HAG	UH0001F
CV4	WC135B	HAH	HH0001F
CVB	EC135A	HAU	UH0001N
CVC	KC135A	HAW	UH0001P
CVD	NKC135A	HCJ	CH0003E
CVE	RC135A	HCL	HH0003E
CVH	EC135C	HTD	CH0053C
CVJ	RC135C	HTE	HH0053C
CVU	KC135Q	KUC	OV0010A

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ATTACHMENT C-14B

24 JUL 75 SRD DUE OUT SUMMARY (Q14/878-69) 81 428A DATE 5285 PAGE 1

1.SRD:BAA MDS:Z8881 NBR ASGD:818

		TOT D/O	AVG	TOT DAYS	AVG		TOT D/O	AVG	TOT DAYS	AVG		TOT D/O	AVG	TOT DAYS	AVG
2.BUDGET CODE:	INV:	14	1	28148	2814	SSD:	4	8	11297	1138	GSD:	8	8	8	8
3.ROUTING I.D:	FFZ:	8	8	8	8	FGZ:	8	8	8	8	FHZ:	8	8	8	8
	FLZ:	8	8	8	8	FPZ:	8	8	8	8	DSA:	8	8	8	8
	OTHER:	18	2	39437	3944										
4.CAUSE CODES:	A:	8	8	8	8	B:	4	8	11297	1138	C:	8	8	8	8
	D:	8	8	8	8	F:	8	8	8	8	G:	8	8	8	8
	H:	8	8	8	8	J:	8	8	8	8	K:	8	8	8	8
	R:	14	1	28148	2814	Z:	8	8	8	8					
5.PRIORITY GROUP	1:	16	2	33789	3379	2:	8	8	8	8	3:	2	8	5648	565
6.BASE TOTALS:		18	2	39437	3944	OLDEST DUE OUT:2825					PRIORITY GROUP:1				

1.SRD:BUD MDS:WB858 NBR ASGD:818

		TOT D/O	AVG	TOT DAYS	AVG		TOT D/O	AVG	TOT DAYS	AVG		TOT D/O	AVG	TOT DAYS	AVG
2.BUDGET CODE:	INV:	8	8	8	8	SSD:	5	1	14123	1412	GSD:	8	8	8	8
3.ROUTING I.D:	FFZ:	8	8	8	8	FGZ:	8	8	8	8	FHZ:	8	8	8	8
	FLZ:	8	8	8	8	FPZ:	8	8	8	8	DSA:	8	8	8	8
	OTHER:	5	1	14123	1412										
4.CAUSE CODES:	A:	5	1	14123	1412	B:	8	8	8	8	C:	8	8	8	8
	D:	8	8	8	8	F:	8	8	8	8	G:	8	8	8	8
	H:	8	8	8	8	J:	8	8	8	8	K:	8	8	8	8
	R:	8	8	8	8	Z:	8	8	8	8					
5.PRIORITY GROUP	1:	2	8	5649	565	2:	2	8	5658	565	3:	1	8	2824	282
6.BASE TOTALS:		5	1	14123	1412	OLDEST DUE OUT:2825					PRIORITY GROUP:2				

APPENDIX 4-5I

MACHINE INDEPENDENT SYSTEM EFFECTIVENESS DATA SYSTEM (MISEDS) OUTPUT REPORTS/EQUATIONS AND ALGORITHMS

The following paragraphs, 1 through 13, describe the content and associated algorithms/equation for each of the output products of the Machine Independent System Effectiveness Data System (MISEDS).

1 Personnel Subsystem Test and Evaluation (PSTE) Report

a Introduction - A Qualitative and Quantitative Personnel Requirements Information (QQPRI) document is available for all Air Force aircraft. Air Force contractors originate a QQPRI for new aircraft or new models of existing aircraft. The QQPRI presents the qualitative and quantitative personnel requirements necessary to support a squadron of the given aircraft. The direct maintenance personnel requirements computed in the QQPRI for new aircraft are based on either the contractor predicted maintenance manhour values or historical maintenance manhour data from previous versions or models of the aircraft. The Personnel Subsystem Test and Evaluation Program utilizes MISEDS maintenance manhour data to verify the direct maintenance personnel requirements listed in the QQPRI. In addition, the PSTE Program assists PSTE personnel in locating those subsystems which require a large number of diversified Air Force Specialty Codes (AFSCs) to maintain the subsystem in an operational status.

b Scope - A query is performed on the AFSC Form 258 maintenance file to produce a sorted data file with the following data fields:

1. Copy number/report number (maintenance file data from Blocks 1 and 2 AFSC Form 258)
2. Work unit code (maintenance file data from Block 19 AFSC Form 258)
3. AFSC (maintenance file data form lines 50-59, Block 31, AFSC Form 258)
4. Calculated manhours for each AFSC
5. Report month (maintenance file data form Block 8 AFSC Form 258).

A manpower prediction formula from the appropriate QQPRI is applied to the monthly maintenance manhour data to predict the direct personnel requirements per month. The PSTE output report includes both one- and six-month manpower predictions. In addition, several levels of totalling within work unit code, AFSC, and AFSC skill level are performed to calculate the total number of tasks, total manhours,

mean manhours per task, and manhours per flying hour. The PSTE report presents these results for all AFSCs and work unit codes (see Figure I-1).

c Theory - A task is defined as all actions performed by one or more persons of a given AFSC working on a given work unit code and recorded on a single copy of the AFSC Form 258/258-4. This definition of a task is used to determine how manhours are expended by AFSC against a given work unit code to fix a failure indication. This definition of task corresponds to the elements of a maintenance action.

Current one- and six-month data are used in the following formula to predict the number of personnel in a given AFSC needed to maintain a squadron of aircraft:

$$DP = \frac{(SFHR \times AC)}{DM} \times AMH$$

and

$$DM = \frac{L}{F}$$

where

DP = direct maintenance personnel requirements

DM = direct maintenance manhours per month per man

F = conversion factor to convert from assigned manhours to direct labor hours

L = assigned manhours

AMH = calculated manhours per flying hour

AC = number of aircraft per schedule

SFHR scheduled flight hours per aircraft per month

Adjustments may be made to the DM factor in the equation to allow for the type of input data which are available for the given aircraft.

In addition to the manpower predictions, the following computations are performed on several levels of AFSC and work unit code as listed in Table I-1.

1. Number of tasks (or elements of a maintenance action.

2. Number of manhours

Figure I-1

SAMPLE OUTPUT OF THE PSTE REPORT

		MAN-HOURS EXPENDED								MANPOWER PREDICTION	
			CURRENT MONTH JANUARY 1970			SIX MONTH JANUARY 70 THRU JUNE 70					
		MEAN MH/TASK	NBR TASKS	MH	MH/FH	MEAN MH/TASK	NBR TASKS	MH	MH/FH	ONE MONTH	SIX MONTH
	WUC 04150	12.5	1	12.5		72.0	1	72.0			
	WUC 07100	4.0	1	4.0		28.5	1	28.5			
* 31770			2	16.5	1.6		3	102.5	1.0	63.6	39.5
** 317X0			2	16.5	1.6		3	102.5	1.0	63.6	39.5
*** 317XX			2	16.5	1.6		3	102.5	1.0	63.6	39.5
**** 31XXX			2	16.5	1.6		3	102.5	1.0	63.6	39.5
	WUC 45MAF	0.0	0	0.0		4.0	1	4.0			
	WUC 73MG0	0.0	0	0.0		1.0	1	1.0			
	WUC 73KA0	0.0	0	0.0		2.0	1	2.0			
	WUC 73NA0	0.0	0	0.0		1.0	1	1.0			
	WUC 73PA0	0.0	0	0.0		1.0	1	1.0			
	WUC 73PB0	0.0	0	0.0		.5	1	.5			
	WUC 73PM0	0.0	0	0.0		3.5	1	3.5			
	WUC 73QB0	0.0	0	0.0		1.5	1	1.5			
	WUC 73RC0	0.0	0	0.0		3.5	1	3.5			
	WUC 73RE0	0.0	0	0.0		3.0	1	3.0			
	WUC 73SA0	0.0	0	0.8		3.5	1	3.5			
	WUC 73SD0	0.0	0	0.0		6.8	1	6.8			
	WUC 73SG0	0.0	0	0.0		2.5	1	2.5			
	WUC 73JA0	0.0	0	0.0		3.5	1	3.5			
* 32150			0	0.0	0.0		14	37.3	.4	0.0	14.4
	WUC 07100	0.0	0	0.0		.2	1	.2			
	WUC 73000	0.0	0	0.0		2.0	1	2.0			
* 32170			0	0.0	0.0		2	2.2	.0	0.0	.6
	WUC 07100	0.0	0	0.0		.2	1	.2			
	WUC 73CA0	0.0	0	0.0		3.5	1	3.5			
* 32171			0	0.0	0.0		2	3.7	.0	0.0	1.4
** 321X0			0	0.0	0.0		16	39.5	.4	0.0	15.2
** 321X1			0	0.0	0.0		2	3.7	.0	0.0	1.4
*** 321XX			0	0.0	0.0		16	43.2	.4	0.0	15.7
	WUC 73AA0	0.0	0	0.0		6.0	1	6.0			
	WUC 73HA0	0.0	0	0.0		.6	1	.6			
	WUC 73HC0	0.0	0	0.0		.6	1	.6			
	WUC 73HG0	0.0	0	0.0		3.5	1	3.5			
	WUC 73KB0	0.0	0	0.0		3.0	1	3.0			
	WUC 73KE0	0.0	0	0.0		1.2	1	1.2			
	WUC 73KF0	0.0	0	0.0		1.8	1	1.8			
	WUC 73KK0	0.0	0	0.0		1.8	1	1.8			
	WUC 73NA0	0.0	0	0.0		1.0	1	1.0			
	WUC 73PA0	0.0	0	0.0		8.0	1	8.0			
	WUC 73P00	0.0	0	0.0		34.0	1	34.0			
	WUC 73Q30	0.0	0	0.0		.9	1	.9			
	WUC 73RA0	0.0	0	0.0		8.0	1	8.0			
	WUC 73RE0	0.0	0	0.0		2.0	1	2.0			
	WUC 73SG0	0.0	0	0.0		7.0	1	7.0			
	WUC 73JA0	0.0	0	0.0		5.0	1	5.0			
	WUC 73000	0.0	0	0.0		4.0	1	4.0			
* 32251			0	0.0	0.0		17	88.4	.9	0.0	34.1
	WUC 73MG0	0.0	0	0.0		.5	1	.5			
	WUC 73NA0	0.0	0	0.0		1.0	1	1.0			

Table I-1

CALCULATED RESULTS IN THE PSTE PROGRAM

Output Report Symbol	Calculated Results
WUC	For each work unit code for a given AFSC, the total number of tasks, total manhours, mean manhours per task, and manhours per flying hour are computed.
*(Level one calculations)	The total number of tasks, total manhours, manhours per flying hour, and manpower predictions are computed for all work unit codes for a given five-digit AFSC.
**(Level two calculations)	For all work unit codes and skill levels within an AFSC, summations of level one calculations for the AFSC are computed.
***(Level three calculations)	For all AFSCs with the same first three digits, summations of level two calculations for the AFSC are performed.
****(Level four calculations)	For all AFSCs with the same first two digits (same career field), summations of level three calculations are computed.

3. Mean manhours per task

4. Manhours per flying hour.

2 Flight Crew Discovered Discrepancy Report

a Introduction - The Flight Crew Discovered Discrepancy Program generates a convenient chronological log of mission debriefing data for the reliability engineer. This log is used by the reliability engineer to isolate those subsystems on which numerous discrepancy indications have been recorded.

b Scope - A data file including reporting date, mission number, takeoff time and duration, mission effectiveness, number of landings, and block number and reliability code from the subsystem write-ups is created in the query on the mission debriefing history file. The output report lists date, mission number, take-off time, effectiveness, number of landings, and the total number of discrepancy indications recorded against each work unit code group (two-digit level). Total discrepancies by work unit code group, the number of discrepancies per flight hour, the number of discrepancies per mission, and the relative percentage of discrepancies per work unit code are calculated for a summary table.

c Theory - Discrepancy indications are recorded by a maintenance specialist on the back of the mission debriefing form. The calculations performed in the Flight Crew Discovered Discrepancy Program are based on work unit code groups matched to the preprinted block number on the front of the AFFTC Form 300. Subsystem degraded operation, failure, and abort are each classified and counted as a discrepancy indication. The following results are computed for each mission:

$$T_i = A_i + F_i + D_i$$

$$T = \sum_{i=1}^{M} T_i$$

where

A_i = the number of aborts recorded against subsystem i.

F_i = the number of failure recorded against subsystem i.

D_i = the number of degraded operation indications written against subsystem i.

T_i = the total number of discrepancy indications written up for the ith subsystem for a given mission.

T = total number of discrepancy indications recorded for a given mission.

M = total number of aircraft subsystems (work unit code groups).

The total flight hours and total number of landings are calculated as follows:

$$FH_{TOT} = \sum_{i=1}^{N} DUR_i$$

$$LDG_{TOT} = \sum_{i=1}^{N} LDG_i$$

where

DUR_i = duration of ith mission

N = total number of missions flown

FH_{TOT} = total flight hours

LDG_i = total number of landings in the ith mission

LDG_{TOT} = total number of landings in the N missions flown

The summary table lists work unit code and subsystem name arranged in the order found on the Form 300. The following totals are presented for each subsystem:

$$T_{wuc} = \sum_{i=1}^{N} T_i$$

$$N_{FH} = \frac{T_{wuc}}{FH_{TOT}}$$

$$N_{MISS} = \frac{T_{wuc}}{N}$$

$$f = \frac{T_{wuc} \times 100\%}{\sum_{wuc} T_{wuc}}$$

where

$\sum_{wuc}$ = the summation over all work unit code groups

T_{wuc} = total number of discrepancy indications for all missions for a given work unit code group

N_{FH} = the number of discrepancies per flight hour for a given work unit code group

N_{MISS} = the number of discrepancies per mission for a given work unit code group

f = the percentage of total discrepancies which occurred on a given work unit code.

The summary table also includes a line of output for the overall aircraft:

$$D_{TOT} = \sum_{wuc} T_{wuc}$$

$$D_{FH} = \sum_{wuc} N_{FH}$$

$$D_{MISS} = \sum_{wuc} N_{MISS}$$

where

D_{TOT} = total number of discrepancies occurring on the aircraft for all missions

D_{FH} = number of discrepancies on the aircraft per flight hour

D_{MISS} = number of discrepancies on the aircraft per mission.

d Sample Output Report - Figure I-2 is a sample of the Flight Crew Discovered Discrepancy Report. As discussed previously, the column entries are:

Column 1 - contains the first two digits of the WUC group

Column 2 - contains the subsystem WUC name

Column 3 - TWUC

Column 4 - N_{FH}

Column 5 - N_{MISS}

Column 6 - f

The last line entry opposite the word "totals" contains D_{TOT}, D_{FH}, D_{MISS}, and percent summary, respectively.

3 AFSC Form 258 Edit Report

a Introduction - The primary purpose of the 258 Edit Program is to provide a convenient output listing for maintenance data error checking and verification of maintenance actions.

Figure I-2

SAMPLE OUTPUT OF THE FLIGHT CREW DISCOVERED DISCREPANCY REPORT

WUC	SUBSYSTEM WUC NAME	WUC TOTALS	DISCREPANCIES PER FLIGHT HOUR	DISCREPANCIES PER MISSION	PERCENT OF TOTAL
11	AIRFRAME	8	.03	.05	3.7
12	COCKPIT/FUSELAGE CMPTMNT	0	0.00	0.00	0.0
13	LANDING GEAR	0	0.00	0.00	0.0
14	FLIGHT CONTROL	8	.03	.05	3.7
23	TURBO JET POWER PLANT	10	.03	.07	4.6
24	AUXILIARY POWER PLANT	0	0.00	0.00	0.0
41	AIR CONDITION,PRESSURE	13	.04	.09	6.0
42	ELECTRICAL POWER SUPPLY	3	.01	.02	1.4
44	LIGHTING SYSTEM	0	0.00	0.00	0.0
45	PNEUDRAULIC POWER SUPPLY	13	.04	.09	6.0
46	FUEL SYSTEM	0	0.00	0.00	0.0
47	OXYGEN SYSTEM	10	.03	.07	4.6
48	INSTRUMENTATION	12	.04	.08	5.5
49	MISCELLANEOUS UTILITIES	0	0.00	0.00	0.0
51	INSTRUMENTS	16	.05	.11	7.3
52	AUTO PILOT	33	.11	.22	15.1
55	MALFUNCTION ANALYSIS	24	.08	.16	11.0
61	HF COMMUNICATIONS	16	.05	.11	7.3
62	VHF COMMUNICATIONS	19	.06	.13	8.7
63	UHF COMMUNICATIONS	2	.01	.01	.9
64	INTERPHONE	27	.09	.18	12.4
65	IFF	0	0.00	0.00	0.0
66	EMERGENCY COMMUNICATIONS	3	.01	.02	1.4
71	RADIO NAVIGATION	1	.00	.01	.5
72	RADAR NAVIGATION	0	0.00	0.00	0.0
91	EMERGENCY EQUIPMENT	0	0.00	0.00	0.0
97	EXPLOSIVE DEVICES	0	0.00	0.00	0.0
*********	TOTAL **********	218	.71	1.44	100.0

b Scope - A query program retrieves and sorts line items from the AFSC Form 258 maintenance history file. The data elements for each retrieved line item are arranged onto an output page according to the logical sections found on the AFSC Form 258.

c Interpretation of Output - The output page format for the 258 Edit Report is shown in Figure I-3 An explanation of the output headings is shown in Table I-3

4 Active Manhours Task Summary (AMTS) Report

a Introduction - The Active Manhours Task Summary (AMTS) Program provides a valuable tool for aircraft maintainability assessment by identifying those areas in which high active hours, manhours, and large numbers of maintenance tasks are generated.

b Scope - A query retrieves the following data for each maintenance task performed within the reporting period:

1. Key work unit code
2. Line active hours
3. Shop active hours
4. Line manhours
5. Shop manhours

Active hours and manhours are calculated internally during the process of bridging (i.e., grouping by job control number) all AFSC Forms 258 into the maintenance task. Active hours per task, active hours per flying hour, and manhours per flying hour are computed and presented in the AMTS report.

c Theory - A maintenance task is defined as all work accomplished under one job control number. Active hours and manhours expended in performing a given task can be calculated from the start and stop times and delay codes recorded on each maintenance form. Total active hours is defined as the elapsed time from the start of

Figure I-3

SAMPLE OUTPUT OF THE 258 EDIT PROGRAM

WUC	CPY	REPORT	CONTRL	WK CTR	ITEM ID	END ITEM SERIAL	WK ORDER	ETI	DISC DATE	WDC	MAL	REPORT DATE	ACT ID
73HG0	1	728557	720547615	A2172	F111D	6800000089	AB0089F5	000043	23 FEB 72	F	242	23 FEB 72	MC

DESCRIPTION OF DISCREPANCY OR MAINTENANCE REQUIRED

REMOVE FOR B/C NAV COMP UNIT SYS GETS 2 CTS GS EVERY 10 MIN

START HRMN	STOP HRMN	DELAY	START HRMN	STOP HRMN	DELAY MMH	UNITS	AFSC	NR PER	WUC	ASST WC	ACTK
1800	1830		0000	0000	000.5	01	U32652A	01		A4122	P
1800	1830		0000	0000	000.5	00	U32672A	01		S4122	P

TOT MMH	TOT UNITS	AGE HOURS	HOURS ACTIVE	HOURS ELAPSED	TCTO DATA CODE
001.0	0001	000.0	000.5	000.5	

LINE HOURS ACTIVE	LINE HOURS MAN	LINE HOURS ELAPSED	SHOP HOURS ACTIVE	SHOP HOURS MAN	SHOP HOURS ELAPSED
00002.5	00005.0	00002.5	00000.0	00000.0	00000.0

KEY WUC	KEY ACTION LINE	TAKEN SHOP	CODE REPORT
73HG0	P		P

DESCRIPTION OF CORRECTIVE ACTION

REMOVED NCU TO LAB

	NOUN	PART NR	SERIAL NR	MFG	ETI	FSC
FAILED ITEM	NCU	55545-107-71	0000000192	94756	000489	6605
INSTALLED ITEM						

Table I-3

OUTPUT HEADINGS ON THE 258 EDIT REPORT

HEADING	DESCRIPTION
WUC	WORK UNIT CODE
CPY	258 COPY NUMBER
J.C.N.	MAINTENANCE JOB CONTROL NUMBER
WK CTR	WORK CENTER
ITEM ID	ITEM IDENTIFICATION
WK ORDER	WORK ORDER NUMBER (THIS NUMBER CONSISTS OF CODES IDENTIFYING TYPE EQUIPMENT, TYPE MAINTENANCE, AND AIRCRAFT SERIAL NUMBER)
ETI	ELAPSED TIME INDICATION FOR THE AIRCRAFT
DISC DATE	DISCOVERED DATE
WDC	WHEN DISCOVERED CODE
MAL	HOW MALFUNCTIONED CODE
REPORT DATE	REPORTING DATE
ACT ID	ACTIVITY IDENTIFICATION CODE
START - HRMN	MILITARY START TIME FOR A GIVEN MAINTENANCE ACTION
STOP - HRMN	MILITARY STOP TIME FOR A GIVEN MAINTENANCE ACTION
DELAY	DELAY CODE FOR A GIVEN MAINTENANCE ACTION
MMH	MAINTENANCE MANHOURS EXPENDED IN PERFORMING A GIVEN MAINTENANCE ACTION
UNITS	UNITS OF WORK COMPLETED IN PERFORMING A GIVEN MAINTENANCE ACTION
AFSC	MAINTENANCE PERSONNEL AIR FORCE SPECIALTY CODE OR AGE SERIAL NUMBER
NR PERS	NUMBER OF MAINTENANCE PERSONNEL PERFORMING A GIVEN MAINTENANCE ACTION
WUC	WORK UNIT CODE FOR A GIVEN MAINTENANCE ACTION
ASST WC	ASSISTING WORK CENTER
ACTK	ACTION TAKEN CODE FOR THE GIVEN MAINTENANCE ACTION
TOT MMH	TOTAL MAINTENANCE MANHOURS RECORDED ON A FORM 258
TOT UNITS	TOTAL UNITS OF WORK COMPLETED AND RECORDED ON A FORM 258
AGE HOURS	TOTAL AGE HOURS RECORDED ON A FORM 258
HOURS-ACTIVE	ACTIVE HOURS EXPENDED IN PERFORMING THE GIVEN MAINTENANCE ACTION
HOURS-ELAPSED	ELAPSED HOURS DURING WHICH THE MAINTENANCE ACTION WAS PERFORMED
TCTO-DATA CODE	TIME COMPLIANCE TECH ORDER DATA CODE
LINE HOURS-ACTIVE	LINE ACTIVE HOURS EXPENDED IN PERFORMING THE COMPLETE MAINTENANCE TASK
LINE HOURS-MAN	LINE MAINTENANCE MANHOURS EXPENDED IN PERFORMING THE COMPLETE MAINTENANCE TASK
LINE HOURS-ELAPSED	ELAPSED HOURS DURING WHICH THE MAINTENANCE TASK WAS PERFORMED
SHOP HOURS-ACTIVE	SHOP ACTIVE HOURS EXPENDED IN PERFORMING THE MAINTENANCE TASK
SHOP HOURS-MAN	SHOP MAINTENANCE MANHOURS EXPENDED IN PERFORMING THE COMPLETE MAINTENANCE TASK
SHOP HOURS-ELAPSED	ELAPSED HOURS DURING WHICH THE SHOP WORK FOR THE MAINTENANCE TASK WAS PERFORMED
KEY WUC	KEY WORK UNIT CODE
KEY ACTION TAKEN CODE-LINE	KEY ACTION TAKEN CODE FOR THE PORTION OF THE MAINTENANCE TASK PERFORMED ON LINE
KEY ACTION TAKEN CODE-SHOP	KEY ACTION TAKEN CODE FOR THE PORTION OF THE MAINTENANCE TASK PERFORMED IN SHOP
KEY ACTION TAKEN CODE-REPORT	KEY ACTION TAKEN CODE FOR THE MAINTENANCE ACTION IDENTIFIED BY THE GIVEN COPY/REPORT NUMBER (SEE COPY REPORT)
NOUN	FAILED OR INSTALLED ITEM NOUN
PART NR	FAILED OR INSTALLED ITEM PART NUMBER
SERIAL NR	FAILED OR INSTALLED ITEM SERIAL NUMBER
MFG	MANUFACTURER'S CODE FOR A FAILED/INSTALLED ITEM
ETI	ELAPSED TIME INDICATION FOR A FAILED/INSTALLED ITEM
FSC	FEDERAL SUPPLY CLASS FOR A FAILED ITEM

maintenance work until the work is completed minus the delay time as indicated by the delay codes. The total manhours is defined as the active time multiplied by the number of men working on the task during the active time. Active hours and manhours are calculated for each task during the bridging of the elementary maintenance data.

Key work unit code, manhours and active hours for both line and shop work are retrieved from the maintenance history file for the given reporting period. The following equations are applied in the AMTS program on four different levels of work unit codes:

$$H_A = \sum_{i=1}^{N} (H_{Ai})$$

$$H_M = \sum_{i=1}^{N} (H_{Mi})$$

$$A_T = \frac{H_A}{N}$$

$$M_T = \frac{H_M}{N}$$

$$F_{FH} = \frac{H_A}{FH}$$

$$M_{FH} = \frac{H_M}{FH}$$

$$N_{FH} = \frac{N}{FH}$$

where

H_{Ai} = The total active hours expended in performing the ith maintenance task

N = total tasks performed during the reporting period for the given work unit code

H_A = total active hours expended on the given work unit code

H_M = total manhours expended for the given work unit code

H_{Mi} = the total manhours expended in performing the ith maintenance task

A_T = the active hours expended per task

M_T = the manhours expended per task

A_{FH} = the active hours expended per flight hour

M_{FH} = the manhours expended per flight hour

F_H = flight hours for the given reporting period

N_{FH} = the number of tasks per flight hour

It is possible with a change in the parameter data card to generate an AMTS Report for each of the following three cases:

1. Line actions
2. Shop actions
3. Total actions (line plus shop)

d Intepretation of Output Report - The output report, shown in Figure I-4 contains three tables of maintenance manhours by work unit code. The last two tables are a subset of the first. One, two, and three asterisks at the beginning of an output line denote a four-, three-, or two-digit work unit code total line.

5 Maintenance Manhours per Flying Hour (MMH/FH) Report

a Introduction - The Maintenance Manhours per Flying Hour (MMH/FH) Program is used to verify contractor predictions of maintainability and to aid in identifying subsystems whose maintenance tasks consume excessive manhours.

Figure I-4

SAMPLE OUTPUT OF THE AMTS REPORT

MAINTENANCE HOURS BY WORK UNIT CODE

WUC	NUMBER TASKS	ACTIVE HOURS	MAN HOURS	ACTIVE HOURS PER TASK	MAN HOURS PER TASK	ACTIVE HOURS PER FLIGHT HOUR	MAN HOURS PER FLIGHT HOUR	NUMBER TASKS PER FLIGHT HOUR
11A9D	1.	1.5	3.0	1.50	3.00	1.50	3.00	1.00
*11A8	1.	1.5	3.0	1.50	3.00	1.50	3.00	1.00
11ACA	1.	7.5	17.5	7.50	17.50	7.50	17.50	1.00
11ACD	1.	1.0	1.0	1.00	1.00	1.00	1.00	1.00
11ACF	2.	7.0	11.0	3.50	5.50	7.00	11.00	2.00
11ACH	1.	4.0	4.0	4.00	4.00	4.00	4.00	1.00
11ACU	1.	2.0	5.6	2.00	5.60	2.00	5.60	1.00
11AC1	1.	32.0	313.0	32.00	313.00	32.00	313.00	1.00
*11AC	7.	53.5	352.1	7.64	50.30	53.50	352.10	7.00
11ADB	1.	1.0	1.0	1.00	1.00	1.00	1.00	1.00
11ADV	2.	11.0	12.0	5.50	6.00	11.00	12.00	2.00
*11AD	3.	12.0	13.0	4.00	4.33	12.00	13.00	3.00
11AEF	1.	7.1	21.3	7.10	21.30	7.10	21.30	1.00
*11AE	1.	7.1	21.3	7.10	21.30	7.10	21.30	1.00
11AGG	1.	16.0	48.0	16.00	48.00	16.00	48.00	1.00
11AGH	1.	7.5	22.5	7.50	22.50	7.50	22.50	1.00
11AGM	1.	4.0	4.0	4.00	4.00	4.00	4.00	1.00
*11AG	3.	27.5	74.5	9.17	24.83	27.50	74.50	3.00
11AHA	1.	13.0	13.0	13.00	13.00	13.00	13.00	1.00
11AHB	1.	8.0	8.0	8.00	8.00	8.00	8.00	1.00
11AHC	1.	5.0	20.0	5.00	20.00	5.00	20.00	1.00
11AHE	1.	8.0	16.0	8.00	16.00	8.00	16.00	1.00
11AHG	2.	8.0	12.0	4.00	6.00	8.00	12.00	2.00
*11AH	6.	42.0	69.0	7.00	11.50	42.00	69.00	6.00
**11A	21.	143.6	532.9	6.84	25.38	143.60	532.90	21.00
11BAL	1.	8.0	9.0	8.00	9.00	8.00	9.00	1.00
*11BA	1.	8.0	9.0	8.00	9.00	8.00	9.00	1.00
**11B	1.	8.0	9.0	8.00	9.00	8.00	9.00	1.00

b Scope - A query is performed on the maintenance history file to produce a tape with the following elements:

1. Work unit code group
2. Total manhours
3. Tail number
4. Item identification
5. Work order number
6. Work location (line or shop)
7. Reporting month

Line and shop manhours are totalled for all two-digit work unit codes. The manhour figures are divided by flying hours to obtain the maintenance manhours per flying hour. The percentage of the total maintenance manhours per flying hour attributed to each subsystem is printed along with the maintenance manhours per flying hour figure. Figures I-5 present a sample of the output report.

6 Aircrew Evaluation Reports

a Introduction - Reliability codes are entered on the AFFTC Form 300 to document the reliability of each subsystem during a given mission. The five possible reliability codes and their definitions are listed in Table I-6.

The Aircrew Evaluation Report summarizes the reliability performance of a number of flights and is used to isolate subsystems with reliability problems, to measure reliability performance, and to provide input information to reliability models.

Figure I-5

SAMPLE OUTPUT OF THE SUBSYSTEM MAINTENANCE MANHOUR PER FLYING HOUR REPORT

TITLE	WUC	------LINE------ MMH/FH	PERCENT OF TOTAL	------SHOP------ MMH/FH	PERCENT OF TOTAL	------TOTAL------ MMH/FH	PERCENT OF TOTAL
AIRFRAME	11	.2	2.6	0.0	0.0	.2	2.6
LANDING GEAR	13	0.0	0.0	.0	.2	.0	.2
FLIGHT CONTROL	14	.1	1.2	0.0	0.0	.1	1.2
ESCAPE CAPSULE	16	0.0	0.0	0.0	0.0	0.0	0.0
TURBO JET POWER PLANT	23	.5	5.5	0.0	0.0	.5	5.5
AIR CONDITION,PRESSURE	41	0.0	0.0	0.0	0.0	0.0	0.0
ELECTRICAL POWER SUPPLY	42	.1	.6	0.0	0.0	.1	.6
LIGHTING SYSTEM	44	0.0	0.0	0.0	0.0	0.0	0.0
PNEUDRAULIC POWER SUPPLY	45	.2	2.4	0.0	0.0	.2	2.4

Figure I-5 (Continued)

SAMPLE OUTPUT OF THE AIRCRAFT MAINTENANCE MANHOUR PER FLYING HOUR REPORT

TITLE	WUC	------LINE------ MMH/FH	PERCENT OF TOTAL	------SHOP------ MMH/FH	PERCENT OF TOTAL	------TOTAL----- MMH/FH	PERCENT OF TOTAL
MISC COMM EQUIPMENT	69	0.0	0.0	0.0	0.0	0.0	0.0
RADIO NAVIGATION	71	0.0	0.0	0.0	0.0	0.0	0.0
BOMBING NAVIGATION	73	1.4	15.6	.4	3.9	1.8	19.5
FIRE CONTROL	74	0.0	0.0	0.0	0.0	0.0	0.0
WEAPONS DELIVERY	75	1.1	11.8	0.0	0.0	1.1	11.8
ELECTRONIC COUNTERMEASUR	76	0.0	0.0	0.0	0.0	0.0	0.0
PERSONNEL EQUIPMENT	96	0.0	0.0	0.0	0.0	0.0	0.0
EXPLOSIVE DEVICES	97	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS FOR NONSUPPORT GENERAL		3.8	42.1	.9	10.1	4.7	52.2
AIRCRAFT TOTALS		8.1		.9		9.0	

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TABLE I-6

RELIABILITY CODES AND DEFINITIONS

CODE	DEFINITION
NO ENTRY	SYSTEM WAS NOT USED
1	SYSTEM OPERATED SATISFACTORILY
2	SYSTEM MALFUNCTIONED (WAS OF DEGRADED OPERATION REQUIRING CORRECTIVE MAINTENANCE ACTION), BUT WAS STILL CAPABLE OF PERFORMING ITS INTENDED FUNCTION TO A LEVEL AT WHICH THE MISSION OBJECTIVES FOR THIS SUBSYSTEM WERE STILL ACCOMPLISHED.
3	SYSTEM WAS COMPLETELY INOPERATIVE OR A REQUIRED MODE OF OPERATION WAS INOPERATIVE (IN THAT THE MINIMUM SPECIFIED PERFORMANCE OF THE SUBSYSTEM WAS NOT OBTAINED), BUT THE FAILURE DID NOT CAUSE A MISSION ABORT
4	SYSTEM FAILURE DEFINED BY 3 ABOVE THAT CAUSED A MISSION ABORT
	MISSION WAS FLOWN WITH A KNOWN SYSTEM DISCREPANCY. IF A NEW UNRELATED DISCREPANCY OCCURRED OR SYSTEM OPERATION WAS SATISFACTORY EXCEPT FOR THE KNOWN DISCREPANCY, THE APPROPRIATE CODE WAS ENTERED

b Scope - A query retrieves information from the AFFTC Form 300 debriefing data file. The retrieved data are summarized and analyzed in the Aircrew Evaluation Report. The three output tables in the Aircrew Evaluation Report are:

1. Aircrew Evaluation Summary Table: This table presents total flying hours on each subsystem and a breakdown of the subsystem malfunctions by reliability code (See Figure I-6a); i.e., Function Success (Code 1), Function Degradation (Code 2), Function Loss (Code 3), and Mission Abort (Code 4).

2. Aircrew Evaluation Analysis Table - Part 1: The mean time between each type of malfunction and the associated 90 percent lower confidence limits are listed for each subsystem. (See Figure I-6b)

3. Aircrew Evaluation Analysis Table - Part 2: This table lists the probability of no function degradation, the probability of no function loss, and the probability of no mission abort. A 90 percent lower confidence limit is printed for each probability. (See Figure I-6c)

THEORY

The Aircrew Evaluation Analysis, Part 1, contains computed values for the mean time between each type of malfunction. These values are calculated as follows:

$$MTBD = \frac{T}{N_d + N_f + N_a}$$

$$MTBFL = \frac{T}{N_f + N_a}$$

$$MTBA = \frac{T}{N_a}$$

where,

T = total subsystem operating time

N_d = number of degraded operations on a subsystem

N_f = number of failures recorded on a subsystem

N_a = number of aborts recorded on a subsystem

MTBD = mean time between function degradation

MTBFL = mean time between function loss

MTBA = mean time between aborts

The method used to determine the lower confidence limit on the mean times employs the chi-squared (χ^2) distribution using fixed truncation time for the tests:

$$\text{Lower confidence limit} = \frac{2T_0}{\chi^2(\alpha, 2R+2)}$$

where,

T_0 = total test time

R = the number of discrepancies of a given type accumulated on a subsystem

α = acceptable risk (10 percent)

$1-\alpha$ = confidence level (90 percent)

χ^2 = the critical value for the chi squared distribution with risk, α, and the number of degrees of freedom equal to 2R+2

The following equations are implemented in the Aircrew Evaluation Program to obtain the probability of no occurrence of a given type of malfunction:

$$P_{nd} = \frac{N_s}{N_s + N_d + N_f + N_a}$$

$$P_{nf} = \frac{N_f + N_d}{N_s + N_d + N_f + N_a}$$

$$P_{na} = \frac{N_s + N_d + N_f}{N_s + N_d + N_f + N_a}$$

where,

P_{nd} = probability of no function degradation

P_{nf} = probability of no function loss

P_{na} = probability of no abort

N_s = number of successful missions flown on a subsystem

The 90 percent lower confidence limit for each probability is calculated from the discrete binomial distribution in the following equation:

$$\alpha = \sum_{i=N_s}^{N} \binom{N}{i} P_0^i \, (1-P_0)^{N-i}$$

where,

α = acceptable risk level (10 percent)

P_0 = lower confidence limit probability

N = total number of missions flown on the subsystem

N_s = number of successful missions

When the number of trials is greater than 30, the discrete binomial distribution is approximated by a continuous distribution and the following formula is used to derive the lower confidence limit:

$$P_0 = \frac{p + \frac{1}{2} z - z \sqrt{\frac{p(N-p)}{N} + \frac{1}{4} z^2}}{N+z^2}$$

Figure I-6a

SAMPLE OF THE AIRCREW EVALUATION SUMMARY

	FUNCTION SUCCESS	FUNCTION DEGRADATION	FUNCTION LOSS	MISSION ABORT	TIME (HOURS)
AIRFRAME	35	0	0	0	85.85
LANDING GEAR	34	1	0	0	85.85
ESCAPE CAPSULE	35	0	0	0	85.85
AIR COND + PRESS	34	1	0	1	85.85
OXYGEN SYSTEM	33	2	0	0	85.85
INSTRUMENTS	33	2	0	0	85.85
MISC UTILITIES	34	0	0	0	81.55
ELECTRIC POWER	34	0	0	0	83.65
LIGHTING SYSTEM	33	2	0	0	85.85
HYD + PNEU POWER	35	0	0	0	85.85
FUEL	35	0	0	0	85.85
FLIGHT CONTROL	35	0	0	0	85.85
AUTOPILOT	31	2	0	0	83.75
PROPULSION	35	0	0	0	85.85
HF COMM	8	3	0	0	36.32
UHF COMM	34	0	1	0	85.85
INTERPHONE	35	0	0	0	85.85
TACAN	32	1	1	0	84.05
ILS	11	0	0	0	25.70
UHF/ADF	4	0	0	0	9.86
A/A IFF	3	0	1	0	13.30
A/G IFF	31	0	0	0	80.35
INERTIAL NAV	26	3	0	5	76.25
ATTACK RADAR	19	6	5	1	77.15
DOPPLER	19	3	1	0	60.39
ODS	19	4	0	1	60.45
HSD	19	0	2	0	55.75
NOSP/NOOP	12	2	0	0	41.12
COMPUTER COMPLEX	30	2	0	2	84.55
TFR	10	2	5	0	41.72
CADC	33	0	0	1	80.55
LARA	33	0	0	0	80.65
STORES MANAGE	9	0	0	0	20.46
PYLONS	9	0	0	0	20.46
RACKS	8	1	0	0	20.46
STRIKE CAMERA	1	0	0	0	2.20
INSTRUMENTATION	25	0	2	0	71.56

F-111D CATEGORY II
AIRCREW EVALUATION SUMMARY
089 CATII THRU 31 MAY 1972

Figure I-6b

SAMPLE OF THE AIRCREW EVALUATION ANALYSIS – (PART 1)

	MEAN HOURS BETWEEN FUNCTION DEGRADATION		MEAN HOURS BETWEEN FUNCTION LOSS		MEAN HOURS BETWEEN MISSION ABORT	
	MEASURED	90 PERCENT LOWER CONFIDENCE LIMIT	MEASURED	90 PERCENT LOWER CONFIDENCE LIMIT	MEASURED	90 PERCENT LOWER CONFIDENCE LIMIT
AIRFRAME	NO DEGD	37.3	NO LOSS	37.3	NO ABORT	37.3
LANDING GEAR	85.8	22.1	NO LOSS	37.3	NO ABORT	37.3
ESCAPE CAPSULE	NO DEGD	37.3	NO LOSS	37.3	NO ABORT	37.3
AIR COND + PRESS	42.9	16.1	85.8	22.1	85.8	22.1
OXYGEN SYSTEM	42.9	16.1	NO LOSS	37.3	NO ABORT	37.3
INSTRUMENTS	42.9	16.1	NO LOSS	37.3	NO ABORT	37.3
MISC UTILITIES	NO DEGD	35.4	NO LOSS	35.4	NO ABORT	35.4
ELECTRIC POWER	NO DEGD	36.3	NO LOSS	36.3	NO ABORT	36.3
LIGHTING SYSTEM	42.9	16.1	NO LOSS	37.3	NO ABORT	37.3
HYD + PNEU POWER	NO DEGD	37.3	NO LOSS	37.3	NO ABORT	37.3
FUEL	NO DEGD	37.3	NO LOSS	37.3	NO ABORT	37.3
FLIGHT CONTROL	NO DEGD	37.3	NO LOSS	37.3	NO ABORT	37.3
AUTOPILOT	41.9	15.7	NO LOSS	36.4	NO ABORT	36.4
PROPULSION	NO DEGD	37.3	NO LOSS	37.3	NO ABORT	37.3
HF COMM	12.1	5.4	NO LOSS	15.8	NO ABORT	15.8
UHF COMM	85.8	22.1	85.8	22.1	NO ABORT	37.3
INTERPHONE	NO DEGD	37.3	NO LOSS	37.3	NO ABORT	37.3
TACAN	42.0	15.8	84.0	21.6	NO ABORT	36.5
ILS	NO DEGD	11.2	NO LOSS	11.2	NO ABORT	11.2
UHF/ADF	NO DEGD	4.3	NO LOSS	4.3	NO ABORT	4.3
A/A IFF	13.3	3.4	13.3	3.4	NO ABORT	5.8
A/G IFF	NO DEGD	34.9	NO LOSS	34.9	NO ABORT	34.9
INERTIAL NAV	9.5	5.9	15.2	8.2	15.2	8.2
ATTACK RADAR	6.4	4.3	12.9	7.3	77.1	19.8
DOPPLER	15.1	7.6	60.4	15.5	NO ABORT	26.2
ODS	12.1	6.5	60.4	15.5	60.4	15.5
HSD	27.9	10.5	27.9	10.5	NO ABORT	24.2
NDEP/NDDP	20.6	7.7	NO LOSS	17.9	NO ABORT	17.9
COMPUTER COMPLEX	21.1	10.6	42.3	15.9	42.3	15.9
TFR	6.0	3.5	8.3	4.5	NO ABORT	18.1
CADC	80.5	20.7	80.5	20.7	80.5	20.7
LARA	NO DEGD	35.0	NO LOSS	35.0	NO ABORT	35.0
STORES MANAGE	NO DEGD	8.9	NO LOSS	8.9	NO ABORT	8.9
PYLONS	NO DEGD	8.9	NO LOSS	8.9	NO ABORT	8.9
RACKS	20.5	5.3	NO LOSS	8.9	NO ABORT	8.9
STRIKE CAMERA	NO DEGD	1.0	NO LOSS	1.0	NO ABORT	1.0
INSTRUMENTATION	35.8	13.4	35.8	13.4	NO ABORT	31.1

'089' CATEGORY II
AIRCREW EVALUATION ANALYSIS-(PART 1)
089 CATII THRU 31 MAY 1972

Figure I-6c

SAMPLE OF THE AIRCREW EVALUATION ANALYSIS – (PART 2)

	PROBABILITY OF NO FUNCTION DEGRADATION		PROBABILITY OF NO FUNCTION LOSS		PROBABILITY OF NO MISSION ABORT	
	MEASURED	90 PERCENT LOWER CONFIDENCE LIMIT	MEASURED	90 PERCENT LOWER CONFIDENCE LIMIT	MEASURED	90 PERCENT LOWER CONFIDENCE LIMIT
AIRFRAME	1.00	.96	1.00	.96	1.00	.96
LANDING GEAR	.97	.91	1.00	.96	1.00	.96
ESCAPE CAPSULE	1.00	.96	1.00	.96	1.00	.96
AIR COND + PRESS	.94	.87	.97	.91	.97	.91
OXYGEN SYSTEM	.94	.87	1.00	.96	1.00	.96
INSTRUMENTS	.94	.87	1.00	.96	1.00	.96
MISC UTILITIES	1.00	.95	1.00	.95	1.00	.95
ELECTRIC POWER	1.00	.95	1.00	.95	1.00	.95
LIGHTING SYSTEM	.94	.87	1.00	.96	1.00	.96
HYD + PNEU POWER	1.00	.96	1.00	.96	1.00	.96
FUEL	1.00	.96	1.00	.96	1.00	.96
FLIGHT CONTROL	1.00	.96	1.00	.96	1.00	.96
AUTOPILOT	.94	.86	1.00	.95	1.00	.95
PROPULSION	1.00	.96	1.00	.96	1.00	.96
HF COMM	.73	.49	1.00	.81	1.00	.81
UHF COMM	.97	.91	.97	.91	1.00	.95
INTERPHONE	1.00	.96	1.00	.96	1.00	.96
TACAN	.94	.87	.97	.91	1.00	.95
ILS	1.00	.81	1.00	.81	1.00	.81
UHF/ADF	1.00	.56	1.00	.56	1.00	.56
A/A IFF	.75	.32	.75	.32	1.00	.56
A/G IFF	1.00	.95	1.00	.95	1.00	.95
INERTIAL NAV	.76	.66	.85	.76	.85	.76
ATTACK RADAR	.61	.50	.81	.70	.97	.90
DOPPLER	.83	.68	.96	.84	1.00	.90
ODS	.79	.65	.96	.85	.96	.85
HSD	.90	.77	.90	.77	1.00	.90
NDEP/NDDP	.86	.66	1.00	.85	1.00	.85
COMPUTER COMPLEX	.88	.79	.94	.87	.94	.87
TFR	.59	.41	.71	.52	1.00	.87
CADC	.97	.91	.97	.91	.97	.91
LARA	1.00	.95	1.00	.95	1.00	.95
STORES MANAGE	1.00	.77	1.00	.77	1.00	.77
PYLONS	1.00	.77	1.00	.77	1.00	.77
RACKS	.89	.63	1.00	.77	1.00	.77
STRIKE CAMERA	1.00	.10	1.00	.10	1.00	.10
INSTRUMENTATION	.93	.81	.93	.81	1.00	.92

'089' CATEGORY II
AIRCREW EVALUATION ANALYSIS-(PART 2)
089 CATII THRU 31 MAY 1972

where

Z = the value of a standard normal variable corresponding to an area under the curve equal to $1-\alpha$, where α is the acceptable risk level

P = the estimated probability of no occurrence

For sample sizes less than 30, this approximation is used as an initial estimate of the confidence limit. An iterative process using the discrete binomial equation is employed to refine this estimate and to insure an accuracy to three significant figures. Samples of the output reports are shown in Figures I-6a, -6b, and -6c.

7 Safety Code Report

a Introduction - Safety codes are recorded on the AFFTC Form 300 with each subsystem write-up to indicate the impact of the malfunction on vehicle and aircrew safety. The safety code entry is selected by the aircrew, systems engineers, and project engineers. The four possible safety codes and the degree of safety associated with each are listed in Table I-7. The purpose of the Safety Code Report is to provide a periodic summary of malfunctions which adversely affect flight safety.

b Scope - Safety information is retrieved from the mission debriefing file for all malfunctions which adversely affect vehicle or aircrew safety. Each set of safety data retrieved contains subsystem name, reliability code, description of malfunction, and safety code. The retrieved data are reformatted into two output tables. The first table lists subsystem name, reliability code, safety code, and narrative for all malfunctions. The second table of output presents a summary of safety codes entries for each subsystem and, in addition, the total number of each of the different safety codes recorded against the aircraft. Figure I-7 presents a sample of the output report for the first table described above.

Figure I-7

SAMPLE OUTPUT OF THE SAFETY CODE REPORT

A-7D CATEGORY II
SAFETY CODE LISTING
ENTIRE CATEGORY II PROGRAM

SUBSYSTEM	RELIABILITY CODE	SAFETY CODE	DESCRIPTION OF MALFUNCTION
LANDING GEAR	FAIL	CRITICAL	LK ENGINE BAY
M61A1 GUN	ABORT	CRITICAL	LK GUN PURGE DOOR AREA
FLR	FAIL	CRITICAL	GROSS BOMB NORMAL ATTACK DIVE TOSS
IMS	FAIL	CRITICAL	ILS APP 2 VERT VEL SYMBOLS ON HUD
IMS	ABORT	CRITICAL	COMP INOP WOULD NOT REALIGN
FLR	FAIL	CRITICAL	INTRMNT FAIL NO RETURNS TA
IMS	FAIL	CRITICAL	IMS FAILED COMPLETELY
RACKS	DEGD	CRITICAL	NO 5 BOMB ON SUU OID NOT RELEASE
ILS	FAIL	CRITICAL	INTERMIT ILS LOCALIZER RECEPTION
IMS	FAIL	CRITICAL	EXCESSIVE IMS ERROR
HEADING MODE SYS	FAIL	CRITICAL	BAD STR LITE FLCKRS ROW A2 INOP
INSTRUMENTS	FAIL	CATASTROPHIC	STBY ATT IND ERRATIC PITCH /ROLL
HEADING MODE SYS	FAIL	CRITICAL	TURN NEEDLE OPERATES BACKWARDS
ILS	FAIL	CATASTROPHIC	NO GP OFF STR KLAG NO HUD STR
FUEL SYS	DEGD	CRITICAL	PROBE BALL BENT ON DISCONNECT
FLIGHT CONTROLS	FAIL	CRITICAL	TRIM BUTTON MISSING
IMS	FAIL	CRITICAL	NOR ATK 500 LONG RAD 240 LONG BARO
HUD	FAIL	CRITICAL	FLASHES ON / OFF AT 35K
CLASS II MOD	DEGD	CRITICAL	NO OPERATION BELOW 70 FT OFF POSIT
UHF-AM	FAIL	CRITICAL	TRANSMISSIONS BROKEN ON 272.0
IMS	FAIL	CRITICAL	EXCESSIVE ERROR IN INERTIAL ONLY M
FUEL SYS	DEGD	CRITICAL	=8 STATION TANK WOULD NOT INDICATE

Table I-7

SAFETY CODE ENTRIES ON THE FORM 300

Code	Impact on Air Vehicle and Aircrew Safety
1	Safe; will not result in major system degradation and will not produce system function damage or personnel injury.
2	Marginal; will degrade system performance, but can be counteracted or controlled without major damage or any injury to personnel.
3	Critical; will degrade system performance by injury to personnel or substantial damage, or will result in a hazard requiring immediate corrective action for personnel or system survival.
4.	Catastrophic; will severely degrade system performance and cause subsequent system loss, personnel injury, or death.

8 Maintenance Event Report

a Introduction - The Maintenance Event Report is a listing of reconstructed maintenance tasks. All actions within the maintenance task are grouped together and the set is printed. Sufficient information is provided by each maintenance action and for the complete task to indicate the quantitative and qualitiative nature of the task.

b Scope - A query retrieves line items from the AFSC Form 258 file. The retrieved data are sorted on job control number first and then on other bridged fields, as required. The set of all maintenance actions (line items) comprising a given task is then printed. Information listed for each task includes:

1. The bridged data fields
2. Discrepancy and corrective action for each maintenance action

3. Report/copy number and date
4. Active hours, manhours, and elapsed hours for each action
5. Work unit code, how malfunctioned code, when discovered codes for each action.

Figure I-8 presents a sample of the output report. Table I-8 provides an explanation of output report headings.

9 AGE Utilization Report

a Introduction - The purpose of the AGE Utilization Program is to provide a quantitative reporting capability on AGE utilization during Development, Test,and Evaluation (DT&E).

b Scope - AGE utilization data are retrived from the AFSC Form 258 maintenance history file and sorted on the five character AGE identification numbers. The following results are computed for each individual piece of AGE:

1. AGE operating time
2. Total number of uses
3. Average operating time
4. Operating time per 100 flying hours.

A sample output page from the AGE Utilization Report is shown in Figure I-9.

10 Action Taken Report

a Introduction - The Action Taken Report tallies the quantity and nature of maintenance actions which are performed on aircraft subsystems. The Action Taken Reports are utilized to determine those subsystems which require the greatest expenditure of maintenance actions.

Table I-8

EXPLANATION OF OUTPUT HEADINGS IN THE MAINTENANCE EVENT REPORT

TITLE	ITEM
KEYWUC	KEY WORK UNIT CODE FOR THE TASK
CONTROL NO	JOB CONTROL NUMBER IDENTIFYING THE TASK
LOCATION	IDENTIFIES THE ACTION AS BEING PERFORMED ON LINE OR OFF LINE (SHOP)
RPT DATE	REPORT DATE FOR A GIVEN MAINTENANCE ACTION
WK. UNIT	WORK UNIT CODE RECORDED FOR A MAINTENANCE ACTION
DATE-TIME DISC	WHEN DISCOVERED DATE AND TIME FOR A GIVEN ACTION
HOWMAL	HOW MALFUNCTIONED CODE FOR A GIVEN MAINTENANCE ACTION
MANHRS	TOTAL MANHOURS EXPENDED IN PERFORMING A GIVEN MAINTENANCE ACTION (RECORDED ON ONE 258 FORM)
WK ORDER	WORK ORDER NUMBER FOR THE GIVEN MAINTENANCE ACTION
CPY	COPY NUMBER FOR THE GIVEN MAINTENANCE ACTION
REPORT	REPORT NUMBER FOR THE GIVEN MAINTENANCE ACTION
ACTION	THE THREE KEY ACTION TAKEN CODES: THE FIRST CODE IS THE KEY ACTION TAKEN CODE FOR THE GIVEN MAINTENANCE ACTION. THE SECOND IS THE KEY ACTION TAKEN CODE FOR THE ON LINE WORK ACCOMPLISHED IN THE MAINTENANCE TASK; THE THIRD CODE IS FOR THE KEY ACTION TAKEN FOR IN SHOP MAINTENANCE PERFORMED IN THE GIVEN TASK.
FAILED PART NBR	FAILED ITEM PART NUMBER FOR THE GIVEN MAINTENANCE ACTION
SERIAL NBR	FAILED ITEM SERIAL NUMBER FOR THE TASK
ELAPSED HRS	ELAPSED HOURS FOR A GIVEN MAINTENANCE ACTION
ACTIVE HRS	ACTIVE HOURS EXPENDED FOR THE GIVEN MAINTENANCE ACTION

Figure I-8

SAMPLE OUTPUT OF THE MAINTENANCE EVENT REPORT

MAINTENANCE EVENT REPORT

KEY WUC CONTRL NO LOCATION RPT DATE WK UNIT DATE-TIME DISC NOMMAL MANHRS WK ORDER CPY REPORT ACTION FAILED PART NBR SERIAL NBR
ELAPSED HRS ACTIVE HRS WHEN DISC INSTLD PART NBR SERIAL NBR
DESCRIPTION OF DISCREPANCY OR MAINTENANCE REQUIRED
DESCRIPTION OF CORRECTIVE ACTION

73SD0 720957605 LINE 04 APR 72 73SD0 04 APR 72 0800 799 1.5 AB0089F5 0 092089 QPB -
000.5 000.5 F C709026403 0000000130
REMOVE NDEP FOR B/C
INSTALLED NDEP IAW TO 1F111D2-5-1

73SD0 720957605 LINE 04 APR 72 73SD0 04 APR 72 0800 242 .9 AB0089F5 1 756314 PPB C709026403 0000000130
000.3 000.3 F
REMOVE NDEP FOR B/C
NDEP REMOVED TO LAB FOR B/C

73SD0 720957605 SHOP 04 APR 72 73SD0 04 APR 72 0900 799 4.6 AB0089F5 3 756314 BPB C709026403 0000000130
002.2 002.2 F
REMOVE NDEP FOR B/C
B/C NO DEFECT RETURNED TO A/C

	LINE	SHOP	TOTAL
MANHOURS	002.4	004.6	007.0
ACTIVE HOURS	000.8	002.2	

Figure I-9

SAMPLE OUTPUT OF THE AGE UTILIZATION REPORT

AGE UTILIZATION REPORT

IDENTIFICATION	NO USES	OP TIME	AVERAGE OP TIME	OP TIME PER 100 FLYING HOURS	NOUN
5C503	1	20.0	20.0	2.5	M27M1MANIFOLDSET
5C522	1	1.0	1.0	.1	EMU11MGENERATOR
5J004	5	4.2	.8	.5	TF39REMOVALKIT
5J628	1	2.0	2.0	.3	
5J716	1	2.0	2.0	.3	PLATFORM
5J721	4	14.5	3.6	1.8	SLINGLIFTENG
5J723	1	3.0	3.0	.4	SLINGLIFTF
5J727	27	97.3	3.6	12.2	TF39SPECTOOLS
5J728	4	16.3	4.1	2.0	STANDASSYSTG
5J729	1	.8	.8	.1	CONTAINER
5J733	3	12.5	4.2	1.6	
5J735	1	3.0	3.0	.4	ADAPTER
5R087	1	1.0	1.0	.1	
5T053	1	4.5	4.5	.6	TOOLS
5T134	1	4.5	4.5	.6	TOOLS
5T172	1	4.5	4.5	.6	TOOLS
5QR12	1	.5	.5	.1	JACK30TONMR0088
5QR14	4	55.6	13.9	7.0	JACK30TONMR0088
5QR16	2	1.0	.5	.1	JACK30TONMR0088
5QR17	2	8.0	4.0	1.0	JACK30TONMR0088
5QR21	10	31.5	3.1	3.9	STAND81
5QR22	6	25.5	4.3	3.2	STAND81
5QR24	7	10.8	1.5	1.4	STAND81
5QR25	1	1.7	1.7	.2	STAND81
5QR26	11	39.0	3.5	4.9	STAND81
5QR27	7	18.2	2.6	2.3	STAND81
5QR28	4	8.4	2.1	1.1	STAND82
5QR29	6	31.0	5.2	3.9	STAND82
5QR30	8	21.7	2.7	2.7	STAND81
5QR31	8	20.1	2.5	2.5	STANDMRJ249
5QR32	12	23.0	1.9	2.9	STANDMR0249
5QR33	12	36.1	3.0	4.5	STANDMR0249
5QR34	23	65.1	2.8	8.2	STANDMR0249
5QR41	5	18.3	3.7	2.3	STAND32
5QR42	4	9.0	2.3	1.1	STAND82
5QR44	5	20.5	4.1	2.6	STAND82
5QR46	5	7.8	1.6	1.0	STAND85
5QR49	2	3.0	1.5	.4	STAND85
5QR50	1	2.5	2.5	.3	STAND85
5QR51	1	2.5	2.5	.3	STAND84
5QR55	1	3.0	3.0	.4	STAND85
5QR57	6	8.3	1.4	1.0	STAND84
5QR58	1	3.0	3.0	.4	STAND84
5QR59	1	2.3	2.3	.3	STAND94
5QR60	2	9.5	4.8	1.2	STAND84
5QR72	2	3.9	2.0	.5	PLATFORMMAINT
5QR79	8	33.3	4.2	4.2	STAND81
5QR80	8	48.1	6.0	6.0	STAND91
5QR81	19	53.8	3.4	8.0	STAND81
5QR82	2	4.5	2.3	.6	STAND81

C-5A OCT 69 TO MAR 70

b Scope - A query operates on the maintenance history file to create a data file with work unit code, action taken code, units of work completed, and copy/report number. There are two possible Action Taken Reports which can be selected. The first, the Units Summary Report, prints the total units of work completed for each action taken code and work unit code combination. The second Action Taken Report, the Action Summary Report, totals the number of occurrences of each action taken code by work unit code. Each type of Action Taken Report consists of two tables. The first table lists either the number of actions or units of work completed by 5-digit work unit code and for 23 selected action taken codes. The second table presents either units or number of actions by two-digit work unit code and the relative percentage attributed to the given subsystem. One additional table is generated to total all maintenance actions by work unit code. This table is referred to as the Subsystem Maintenance Action Summary.

c Theory - There are over 30 possible action taken codes which are used to indicate the nature of a maintenance action. The codes are listed and described in the work unit code manual (T O -06) for specific aircraft. Maintenance personnel record on the AFSC Form 258 the number of units of work completed for each maintenance action performed. The Action Taken Program totals this information for 23 selected action taken codes and presents the results for all five-digit work unit codes. In addition, the results are also summarized by two-digit work unit codes. Sample outputs of the Action Taken Report, and The Subsystem Maintenance Action Summary Report are shown in Figures I-10a and I-10b, respectively.

11 Component Discrepancy Report

a Introduction - A listing of the subsystem/component discrepancy write-ups and their subsequent corrective actions is available in the Component Discrepancy Report. Additionally, total manhours, units of work, how malfunctioned code, and when discovered code are included as an indication of the nature and quantitative requirements of the maintenance action.

Figure I-10a

SAMPLE OUTPUT OF THE ACTION TAKEN REPORT

		ACTION TAKEN CODES																						
MUC	TOTAL	A	F	G	K	L	Z	1	7	8	9	H	J	M	N	P	Q	R	S	T	U	V	X	Y
11AAF	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AB0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AB3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
11AC4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AC0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AC5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
11AC6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AC9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
11ACJ	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
11AD1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
11AD3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11ADV	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
11AD4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AEF	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
11AGE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
11AG6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
11AG4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
11AGJ	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
11AJ4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AM4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AN3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AN0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AN5	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11AJE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11BAA	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11BAL	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
11E3F	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11B0J	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
***11	34	1	0	17	0	0	0	0	0	0	0	0	0	0	0	5	3	4	4	0	0	0	0	0
13CA3	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
13CA0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
13D44	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
13E44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13FA0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13G44	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0
13G44	13	0	0	0	0	0	0	0	0	0	3	0	0	3	3	0	0	4	0	0	0	0	0	0
13G34	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
13G35	6	0	0	0	0	0	0	0	0	0	2	0	0	2	2	0	0	0	0	0	0	0	0	0
13J43	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
13L44	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
***13	37	0	0	0	0	1	0	0	1	0	5	0	0	5	5	0	0	12	3	0	0	3	2	0
14A04	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
14A00	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
14A04	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
14B00	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Figure I-10b

SAMPLE OUTPUT OF THE SUBSYSTEM MAINTENANCE ACTION SUMMARY

WUC	SYSTEM NAME	TOTAL UNITS	PERCENT OF TOTAL
11	AIRFRAME	34	4.27
12	COCKPIT/FUSELAGE CMPTMNT	0	0.00
13	LANDING GEAR	37	4.64
14	FLIGHT CONTROL	24	3.01
15		7	.88
23	TURBO JET POWER PLANT	129	16.19
24	AUXILIARY POWER PLANT	0	0.00
41	AIR CONDITION,PRESSURE	25	3.14
42	ELECTRICAL POWER SUPPLY	10	1.25
44	LIGHTING SYSTEM	9	1.13
45	PNEUDRAULIC POWER SUPPLY	20	2.51
46	FUEL SYSTEM	9	1.13
47	OXYGEN SYSTEM	4	.50
48	INSTRUMENTATION	1	.13
49	MISCELLANEOUS UTILITIES	0	0.00
51	INSTRUMENTS	17	2.13
52	AUTOPILOT	39	4.89
53	MALFUNCTION ANALYSIS	0	0.00
61	HF COMMUNICATIONS	4	.50
62	VHF COMMUNICATIONS	0	0.00
63	UHF COMMUNICATIONS	7	.88
64	INTERPHONE	6	.75
65	IFF	1	.13
66	EMERGENCY COMMUNICATIONS	0	0.00
69		5	.63
71	RADIO NAVIGATION	3	.38
72	RADAR NAVIGATION	0	0.00
73		361	45.29
75		41	5.14
91	EMERGENCY EQUIPMENT	0	0.00
95		1	.13
97	EXPLOSIVE DEVICES	3	.38
**********	**********	797	100.00

b Scope - A query is performed on the mainte= namce history file to retrieve selected data. These data are sorted by work unit code and job control number in ascending order. The printed information includes:

1. Work unit code
2. Failed item noun, part number, and serial number
3. Action taken codes and how malfunctioned codes
4. Description of discrepancy and corrective action
5. Total manhours and units of work completed
6. Job control number, work order number, when discovered time, copy/report number, and report date.

Further, subtotals for manhours are computed on the following levels:

1. Two-digit work unit code group
2. Three-digit work unit code group (indicated by three asterisks)
3. Four-digit work unit code group (indicated by two asterisks)
4. Five-digit work unit code group (indicated by one asterisk).

A sample output page from the Component Discrepancy Report is shown in Figure I-11. Table I-11 presents an explanation of headings in the report.

12 Subsystem Inflight Discrepancy Report

a Introduction - The purpose of the Subsystem Discrepancy Program is to provide a compact chronological listing of discrepancy write-ups recorded against specific aircraft subsystems.

b Scope - The subsystem discrepancy write-ups

Figure I-11

SAMPLE OUTPUT FROM THE COMPONENT DISCREPANCY REPORT

```
                    .........FAILED ITEM.............    HOW ACTION                          WK ORDR    JOB          WORK   .......REPORT.......
 WUC   NOUN         SERIAL      PART NUMBER    MAL  R L S  D  UNITS HOURS                  NUMBER     NUMBER       TIME CENTER  CPY NUMBER DY MON YR

                                ROLLER SEGMENT ON FWD RAMP EXTENSION IS CRACKED
                                  R/R ROLLER SEGMENT ON FWD RAMP EXTENSION

12CAZ DETENT ASSY     -          NSL            242  R R    H  0001 001.0  PB7168C2 3650993             A2174  C  461642 31 FEB 69
                                REPLACE DETENT RAIL ON RT RESTRAINT RAIL 4 MAINT CK
                                  C/W MAINT CK

12CAZ DETENT LOCK     -                         127  L L    D  0001 001.0  AB7168C2 3390947 000594      A2174  0  024320 05 DEC 70
                                OUTBD LEFT SIDE DETENT LOCK STA 1520 NEED ADJ
                                  ADJ OUTBD LEFT SIDE DETENT LOCK STA 1520 AS REQ

12CAZ DETENT          -                         127  L L    D  0001 001.0  AB7168C2 0779031 000882      A2174  0  025313 18 MAR 71
                                PALLET DETENT LOCK STA 1220 RT SIDE OUTBD LOGISTIC RAIL NEEDS ADJ TO
                                T'E RETRACT POSITION
                                  ADJUSTED DETENT OP CK OK
 *12CAZ                                                0004          00003.3
**12CA                                                 0171          00484.0

 12C9A                -          4F21354-101A   750  Q Q    K  0001 000.2  PE8307C2 0895502 000121      M2000  0  157575 13 APR 70
                                1 CARGO VENT NOZZLE MISSING R/H FWD FUSELAGE
                                  VENT TUBE INST

 12C9A NONSKID        -                         947  G G    M  0001 000.5  AP7167C2 0183691 002188      A2174  C  024933 29 JAN 71
                                FWD CARGO RAMP FLOOR NONSKID TORN
                                  REPLACED NONSKID
 *12C9A                                                0002          00000.7

 12C9B GUIDE RAIL      -          4F55602-1160   070  R R    F  0001 000.3  AB7167C2 0860956 000550      A2174  1  746692 15 APR 70
                                LOADING GUIDE RAIL BROKEN
                                  R + R LOADING GUIDE RAIL OPS CK OK
 *12C9B                                                0001          00000.3

 12C9D RAIL ASSY RAMP  -          4F55252-105D   190  R R    F  0001 001.3  PB7168C2 3460749 000060      A2174  1  957849 12 DEC 69
                                RT RAMP RAIL ASSY CRACKED
                                  R/R RAMP RAIL ASSY IAW TO 1C-5A-2-2
 *12C9D                                                0001          00001.3

 12C9E LOCK ASSY       -                         127  L L    F  0001 001.6  AB7168C2 3370976 000590      A2174  0  024173 03 DEC 70
                                RT OUTBD LOCK STAT 2080 NEEDS ADJ
                                  ADJ RT OUTBD LOCK STAT 2080

 12C9E RAIL            -                         135  L L    F  0001 001.0  AB7168C2 0249049 000732      A2174  0  099453 02 FEB 71
                                1/8 LOGISTIC RAIL STATION 1560 LT SIDE NEEDS ADJ BINDS WHEN MIVING
                                  ADJ RAIL ASSY
 *12C9E                                                0002          00002.6

 12C8G BUNGEE          -                         070  G G    B  0001 000.5  AP8307C2 3630942 000214      A2174  0  153859 05 JAN 71
                                LT INBD CENTER LOGISTIC RAIL STA 1920 HAS BROKEN BUNGEE
```

Table I-11

EXPLANATION OF HEADINGS IN THE COMPONENT DISCREPANCY REPORT

HEADING	EXPLANATION
WUC	WORK UNIT CODE
FAILED ITEM NOUN	FAILED ITEM NOUN
FAILED ITEM SERIAL	FAILED ITEM SERIAL NUMBER
FAILED ITEM PART NUMBER	FAILED ITEM PART NUMBER
HOW MAL	HOW MALFUNCTIONED CODE
ACTION R	KEY ACTION TAKEN CODE FOR THE GIVEN REPORT NUMBER
ACTION L	KEY LINE ACTION TAKEN CODE FOR THE GIVEN JOB CONTROL NUMBER
ACTION S	KEY SHOP ACTION TAKEN CODE FOR THE GIVEN JOB CODE NUMBER
WDC	WHEN DISCOVERED CODE
UNITS	UNITS OF WORK COMPLETED
HOURS	TOTAL MANHOURS EXPENDED IN PERFORMING THE MAINTENANCE ACTION
WK ORDR NUMBER	WORK ORDER NUMBER
JOB NUMBER	JOB CONTROL NUMBER (7 DIGITS)
TIME	AIRCRAFT ELAPSED TIME
WORK CENTER	BASIC WORK CENTER
REPORT CPY	COPY NUMBER
REPORT NUMBER	REPORT NUMBER
REPORT DY MON YR	REPORT DATE

are retrieved from the AFFTC Form 300 history file and sorted in ascending order by block number and report date. The Subsystem Inflight Discrepancy Report is a list of the following information by subsystem:

1. Report date
2. Write-up narrative
3. Subsystem reliability status
4. When discovered code
5. Mission safety as a result of the malfunction
6. Built-in-test equipment status
7. Component work unit code and other maintenance information
8. Mission number and tail number.

A sample output of the Subsystem Inflight Discrepancy Report is presented in Figure I-12.

13 Flying Hours per Subsystem Report

a Introduction - The primary purpose of the Flying Hour Per Subsystem Program is to generate subsystem utilization rate tables.

b Scope - The AFFTC Form 300 debriefing file is queried to retrieve line items for selected tail numbers and report dates. A file with the following data elements is created from the retrieval line items:

1. Report date
2. Decimal duration
3. Reliability codes for all subsystems.

Next, monthly flying hour totals, yearly flying hour totals, and grand totals are computed for each subsystem. The results are printed in the Flying Hour per Subsystem Reports, a sample of which is shown in Figure I-13.

Figure I-12

SAMPLE OUTPUT OF THE SUBSYSTEM INFLIGHT DISCREPANCY REPORT

BLOCK NUMBER 54 SUBSYSTEM INERTIAL NAV

DATE	NARATIVE	STATUS	MDC SAFETY	BITE	MUC	JCN	ACTAK	MOWMAL	MISSION	TAIL NO
02 NOV 71	INS INOP	DEGD	F		73HD0	2947600	R	838	0002R	089
06 DEC 71	INS IN FREE MODE DRIFTS EXCESSIVEL	DEGD	D		73H00	3407627	H	799	0007R	089
08 DEC 71	INS GND SPEED BUILT UP TO 13 KNOT	DEGD	D		73HA0	3427620	R	958	0008R	089
08 DEC 71	INS GND SPEED BUILD UP TO 13 KNOTS	DEGD	D		73HC0	3427620	R	242	0008R	089
21 DEC 71	STEADY INS LIGHT ON ATP INDICATES	ABORT	A		73HA0	3557621	R	242	0015R	089
21 DEC 71	STEADY INS LIGHT ON ATP INDICATES	ABORT	A		73HA0	3557621	P	652	0015R	089
03 MAR 72	AFTER SELECTING NAV+PRI HEADING /	ABORT	A		73H00	0637625	H	799	0018R	089
21 MAR 72	INS REQUIRED TWO RECYCLES BEFORE A	DEGD	D		73H00	0817626	H	799	0021R	089
03 APR 72	HSL DISPLAY SELECT RESULTS IN ELEV	ABORT	C			0947621			0028R	089
04 MAY 72	AFTER STORED HDG ALIGNMENT AND WSO	ABORT	A		73HA0	1257621	R	242	0031R	089
09 MAY 72	AFTER 30 MIN OF FLT THE G S WAS DR	ABORT	C		73HA0	1307624	R	242	0032R	089

Figure I-13

SAMPLE OUTPUT OF THE FLYING HOURS PER SUBSYSTEM REPORT

GRAND TOTAL

AIRFRAME	85.7	LND GEAR	85.7	BLANK	0.0	ESCAPE CAP	85.7	BLANK	0.0
AIR-PRESS	85.7	OXYGEN SYS	85.7	INSTRUMENT	85.7	MISC UTIL	81.4	BLANK	0.0
ELECT PWR	83.3	LTG SYSTEM	85.7	HYD - PNEU	85.7	FUEL	85.7	AIR REFUEL	0.0
BLANK	0.0	FLT CONTL	85.7	AUTOPILOT	83.6	BLANK	0.0	PROPULSION	85.7
BLANK	0.0	HF COMM	36.2	UHF COMM	85.7	INTERPHONE	85.7	TACAN	83.9
ILAS	25.7	UHF/ADF	9.8	BLANK	0.0	GRND BEACO	0.0	RNDZBEACON	0.3
A/A IFF	13.3	A/G IFF	80.2	BLANK	0.0	INS	73.3	ATCK RADAR	76.2
DOPPLER	50.3	IDS	58.3	HSD	55.6	NDEP/NOOP	41.0	COMPUTER	81.6
TFR	41.3	BLANK	0.0	CADC	80.4	LARA	80.5	BLANK	0.0
WEAPON CNT	20.4	PYLONS	20.4	WEAPON RAK	20.4	WEAPON BAY	0.0	STRIKE CAM	2.2
BLANK	0.0	TRACK BRKR	0.0	IRRS	0.0	CMDS	0.0	RHAWS	0.0
BLANK	0.0	INSTRUMTAT	71.5	BLANK	0.0	BLANK	0.0	BLANK	0.0

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This regulation is divided into two volumes: a basic gudance document on logistics assessment (Volume I) and supporting appendixes (VolumeII). The appendixes are numbered in a manner that keys them to the chapter and section of the text to which they apply. For example, appendix 4-2A is applicable to chapter 4, section 2; with the "A" in the appendix number denoting that the appendix is the first one referenced in that section.

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